UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION

COTTON AND CORDAGE FIBERS FIELD NOTES

CR FORM 12
MAR 1958

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U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION
PLANT INDUSTRY STATION
BELTSVILLE, MARYLAND

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

COTTON AND CORDAGE FIBERS

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (*a*) Methods (*b*) Dates
5. Size of plot:
   (*a*) Area in square feet (*b*) Number of rows
   (*c*) Length of rows (*d*) Width of rows
6. Fertilizer: (*a*) Pounds per acre
   (*b*) Analysis (N–P–K) (*c*) Time of application
   (*d*) Method of application (*e*) Side dressings
7. Planting: (*a*) Date (*b*) Rate (*c*) Method
8. Thinning: (*a*) Date (*b*) Method (*c*) Approximate optimum spacing attempted
9. Cultivation: (*a*) Implements used (*b*) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pound is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seeding vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seeding vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests.
   (*a*) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35–7. (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
   (*b*) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, or any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

U. S. GOVERNMENT PRINTING OFFICE 16—61780-3

GROUP I

Sown: 4-24

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	FULL RIPE	
1	COLUSA	101	7-5		8-7	43
	CI. 1600	209	7-5		8-[illegible]	45
		303	7-5			46
	(1)	411	7-6			47
	E/D/M/MT		7-5		8-[illegible] (106)	45
2	STg 584378,	102	7-16	7/29	8-17	44
	LAC. B426A X Z.	213		S 7/31	8-17	47
	CI. 9554	308		S 8/1	8-16	51
	(Stg 20-4)	404		S 8/1	8-17	49
	ME/MD/I+/T		7-16		8-17 (115)	48
3	EARLY PROLIFIC	103	7-18	7/29	8-18	57
	CI. 5883	201		7/30	8-18	56
		309		7/30	8-19	62
	(3)	407		7/30	8-17	61
	ME/ML/I+/VT		7-18		8-18 (116)	59
4	STg 582114	104	7-17	7/26	8-17	47
	LAC. X Z-NIRA	210		7/27	8-17	45
	CI. 9481	305		7/26	8-16	53
	(4)	414			8-17	54
	MS/I/MW/I		7-17		8-17 (115)	51
5	STg 556615,	105	7-15	7/26	8-15	49
	Z-NIRAX ZENITH	208		7/25	8-16	46
	CI. 9555	314		7/27	8-16	55
	STg 11-7	409		7/25	8-15	51
	E-/MD/I-/MT		7-15		8-16 (114)	51

cut 9th

	BlAST ~~Blast~~ Rotten Lodging	~~[illegible]~~ 62 / HB	~~[illegible]~~ Alk 62 / 63	Biuret 62 / 63		Yield gms.	LBs/A.	Bbls/A.	Gra S
0	/		38/L / 31	39 /		1243			S
0						1428			
lnt				MILLING %		1130			
lnt				HEAD	TOTAL	1017			
ln				71.2	73.8	4818	4818	29.7	
	R / R	R	52	/		1329			M
						1264			
	20%					1153			
						1183			
	5%			69.6	72.0	4929	4929	30.4	
	40 S / MR	/	88/H / 74	41 /		1199			M
	30					1272			
	90%					1258			
	60%					1176			
	55%			60.0	68.0	4905	4905	30.3	
	R / mR	R	66/L / 55	41 /		1526			M
						1513			
	20%					1471			
	Tr					1399			
	5%			63.2	69.3	5909	5909	36.5	
	VS / R		77/H / 50	37 /		1190			M
						1317			
	80					1383			
	20					1333			
	25%			69.9	70.9	5223	5223	32.2	

GROUP I
SOWN: 4-24

1	COLUSA CI. 1600 (1) E/D/M/MT	
2	STg 584378, LAC.~~B~~426A X Z. CI. 9554 (STg 20-4) ME/MD/I+/	short ht, sturdy Lacrosse leafiness; consid sterility short pan
3	EARLY PROLIFIC CI. 5883 (3) ME/ML/I+/	v [illegible]
4	STg 582114 LAC. X Z-NIRA CI. 9481 (4) MS/I/MW/	short ht & sturdy v good. green straw much sturdier straw than Nato
5	STg 556615, Z-NIRA X ZENITH CI. 9555 STg 11-7 E-/MD/I/M	much like #4 prob not as sturdy; good

cut gd

Yield grms.	Lbs/A.	Bbls/A.	Grain Sizing
1243			S
1428			
1130			
1017			
4818	4818	29.7	
1329			M
1264			
1153			
1183			
4929	4929	30.4	
1199			M
1272			
1258			
1176			
4905	4905	30.3	
1526			M
1513			
1471			
1399			
5909	5909	36.5	
1190			M
1317			
1383			
1333			
5223	5223	32.2	

			DATES			PLANT HT. (IN.)
			HEADING		FULL RIPE	
			1ST	FULL		
6	ZENITH	106	7-18	7/29	8-16	54
	CI. 7787	212		7/30	8-16	53
		302		7/29	8-16	56
	(6)	413		7/30	8/15	59
	MS/MD/MW/T+		7-18		8-16	56
7	NOVA	107	7-15	7/26	8-16	49
	CI. 9459	205		7/28	8-16	48
		310		7/27	8-17	56
	(7)	402		7/27	8-16	53
	MS/MD-/MW/MT		7-15		8-16	52
8	REX. X LAC.	108	7-15	$ 8/1	8-16	46
	CI. 9577	214	7/16	$ 8/1	8-19	45
		311		$ 8/1	8-17	51
	(No. 232)	405		$ 7/31	8-16	50
	MS/MD/I+/M		7-16		8-17	48
9	NATO	109	7-14	7/25	8-16	51
	CI. 8998	211		7/29	8-16	50
		301		7/28	8-16	55
	(9)	406		7/27	8-16	53
	ME/MD/I+/MT		7-14		8-16	52
10	HB-503,	110	7-13	7/22	8-14	49
	REX. X LAC.	204		7/23	8-15	49
	CI. 9561	313		7/23	8-15	55
	(37)	408		7/24	8-15	53
	ME/I/MW/MT		7-13		8-15	52

Blast R-1 / R-6	Stand HB	Foot/Ark 62 / 63	Burst 62 / 63	Yield Gms	Lbs./A.	Bu./A.	Gr. Size
Lodging							
80% VS / M		41/4 / 36	41	1299			M
70				1356			
80%				1209			
90%				1127			
80%			62.3	69.8	4991	4991	30.8	
30 R / MR		69/4 / 52	42	1506			M
T-S				1428			
60%				1433			
50%				1483			
35%			66.4	70.4	5850	5850	36.1	
S / S		34		1349			M
				1215			
				1244			
				1105			
0%			64.6	70.4	4913	4913	30.3	
40 R / S		74/4 / 61	39	1376			M
70				1245			
90%				1164			
80%				1141			
70%			69.6	72.1	4926	4926	30.4	
10 S / S		52/4 / 42	35	1416			L
				1168			
80				1267			
20				987			
27%			57.1	69.1	4838	4838	29.9	

6 ZENITH
CI. 7787
(6)
MS/MD/MW

lodged, too hill

7 NOVA
CI. 9459
(7)
MS/MD-/MW

much like, 4 & 5 possibly some better

8 REX. X LAC.
CI. 9577
(No. 232)
MS/MD/I+/

Pan are too short, not as long as Nova.

9 NATO
CI. 8998
(9)
ME/MD/I+/

no sturdier than Nova.

10 HB-503,
REX. X LAC.
CI. 9561
(37)
ME/I/MW/

fast but dying, disc

Yield Gms	Lbs./A.	Bu./A.	Gr. Size
1299			M
1356			
1209			
1127			
4991	4991	30.8	
1506			M
1428			
1433			
1483			
5850	5850	36.1	
1349			M
1215			
1244			
1105			
4913	4913	30.3	
1376			M
1245			
1164			
1141			
4926	4926	30.4	
1416			L
1168			
1267			
987			
4838	4838	29.9	

Crowley Station is increasing

			DATES HEADING 1ST	FULL	RIPE	PLANT HT. (IN.)
	R-Z X 250 MAG	111	7-17	7/26	8-16	45
11	CI. 9482	202		7/26	8-16	44
		307		7/26	8-15	46
	(11)	412		7/25	8-15	48
	MS/MD-/I/MT		7-17		8-16 (114)	46
	250 X MAG.	112	7-16	7/22	8-16	48
12	CI. 9540	207		7/22	8-15	48
SATURN	Crowley Station is increasing	304		7/23	8-15	48
RELEASED 1964	(12)	401		7/23	8-15	49
	MS/MD/M+/MT		7-16		8-15 (113)	48
	B589A18-12-2	113	7-13	7/22	8-15	46
13	BBT-5/2 X GULFRIDE	206		7/23	8-15	44
cut rd	CI. 9562	312		7/24	8-15	49
	(18)	403		7/25	8-14	46
	E/MD+/M+/MT		7-13		8-15 (113)	46
	NORTHROSE	114	7-18	7/29	8-18	49
14	CI. 9407	203		7/30	8-18	46
		306		8/1	8-18	51
	(14)	410		7/30	8-18	50
	MS/MD/I+/T-		7-18		8-18 (116)	49

Block 1/6 Lodging	Str Af / HB	Hd/Ht 62/63	Bu-wt 62/63		Yield gms	LBS/A.	Bu./A	GR. Size
S/R		40/L / 28	44		1230			M
					1305			
					1309			
					1183			
0%			71.2	72.7	5027	5027	31.0	
Tr R/A		73/L / 52	39		1715			M
5					1602			
80					1679			
90%					1366			
44%			67.2	71.3	6362	6362	39.3	
S/R 0	R	56/L / 35	41		1190			I Med-Lng
0 Med-gr. type available. See B62-3575 to 76, 1963-880 + 2974 to 79					1282			
0					1260			
0					1157			
0%			64.5	69.5	4889	4889	30.2	
R/S		54/L / 41	41		1962			M
					1357			
					1311			
					1357			
0%			64.6	68.0	5987	5987	37.0	

Crowley Station IS INCREASE

11 R-Z X 250 MAG CI. 9482 — Inner stem not as long as Nova. Petals not as long as Nova. Lower leaves dead

(11)

MS/MD-/E/

12 250 X MAG. CI. 9540 — Nova like + gr. type leaf + ~~totally dry~~ not as good as Nova

SATURN RELEASED 1924 (Crowley IS INCREASE) (12) — not as sturdy as 405

MS/MD/M+

13 B589A18-12-2 BBT-56/2 X GULFRIDE CI. 9562 — Excellent if a short gr. Only test in Test

cut out

(18) — H. glaucum. 4874 grown & sent

E/MD+/M+/

14 NORTHROSE CI. 9407 — St taller & later than Nova

(14)

MS/MD/E+/

	Yield/gm	LBS/A.	Bu./A	GR. SIZE
	1230			M
	1305			
	1309			
	1183			
	5027	5027	31.0	
	1715			M
	1602			
	1679			
	1366			
	6362	6362	39.3	
	1190			I Med-Lrg
	1282			
	1260			
	1157			
	4889	4889	30.2	
	1962			M
	1357			
	1311			
	1357			
	5987	5987	37.0	

GROUP II

				Sown: 4-24	DATES		PLANT HT. (IN.)
					HEADING 1ST	HEADING FULL	FULL RIPE	
		R-D X R-Z	121		7-21		8-16	45
21		CI. 9483	231		7-20		8-16	44
			325		7-19		8-16	46
Hv 8-16		(Ro. BR.)	428		7-20		8-16	45
		E/L/I/T			7-20		8-16 (118)	45
		B581A6-576-1	122		7-20		8-23	42
22		(CP231/3 X BBT)/2 X PI. 245936	225		7-20		8-23	44
		CI. 9568	327		7-19		8-22	44
Hv 8-27		(633)	422		7-20		8-22	44
		E/L/MN/T			7-20		8-23 (121)	44
		CENTURY PATNA-231	123		7-20		8-22	45
23		CI. 8993	221		7-21		8-23	46
			330		7-20		8-21	48
Hv 8-27		(23)	427		7-19		8-22	45
		E/L/MN/T			7-20		8-23 (120)	46
		(411-8-14 X T32AG-23) X 411-8-14	124					44
24		CI. 9439-2	222					41
			326		7-21		8-20	44
Hv 8-20		(Ro. BR.)	429				8-21	43
		ME/L/I/MT			7-21		8-21 (119)	43
		B505A1-28-7-1-2	125		7-19			43
25		CI-231 X H012	234		7-19			43
		CI. 9534	323		7-19		8-19	41
Hv 8-20		(25)	433		7-19			45
		E+/L/MN/T			7-19		8-19 (119)	43

Blast R-1 / R-6	Shdd / HB	Dd/Blk 62 / 63	Blight 62 / 63	Lodg.	YIELD gms.	LBS/A	Bu/A	GM Sta
S / S		34/I / 31	38		833			L
					922			
			MILLING %		951			
			HEAD	TOTAL	959			
0 %			64.2	69.9	3665	3665	22.6	
S / S	(MR) (R) S	22/I / 23			995			L
					933			
					929			
					944			
0 %			45.3	65.4	3801	3801	23.5	
S / S	(S) (S)	83/H / 61	42		1093			L
					1128			
					1160			
					1100			
0 %			62.1	66.2	4481	4481	27.7	
S / S		17/I / 14	35		838			L
					835			
					871			
					938			
0 %			60.1	69.5	3482	3482	21.5	
R / R		20/I / 17	39		977			L
					1019			
					1044			
					1059			
0 %			63.2	68.7	4099	4099	25.3	

GROUP II

SOWN: 4-24

Hv 8-16	21	R-D X R-Z ct. 9483 (Cra. Br.) E/L/I/T	Scanty
Hv 8-27	22	B581A6-5761-1 (CP231/3 X BBt1)/2 X Pt. 215,93 ct. 9568 (633) E/L/MN/T	
Hv 8-27	23	CENTURY PATNA-23 ct. 8993 (23) E/L/N+/T	
Hv 8-20	24	(411-8-14 X 322A6-23) X 411-8- ct. 9439-2 (Ro. Br.) ME/L/I/MT	
Hv 8-20	25	B505A1-28-7-1-2 CP-231 X H012 ct. 9534 (25) E+/L/MN/T	

					YIELD GMS.	LBS/A	BUS/A	GR. SIZE
					833			L
					922			
					951			
					959			
					3665	3665	22.6	
					995			L
					933			
					929			
					944			
					3801	3801	23.5	
					1093			L
					1128			
					1160			
					1100			
					4481	4481	27.7	
					838			L
					835			
					871			
					938			
					3482	3482	21.5	
					977			L
					1019			
					1044			
					1059			
					4099	4099	25.3	

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	B572A1-6-5-1	126	7-19			48
26	PI.215936 X CI.9214	224	7-19			48
	CI. 9569	332	7-19		8-18	48
	(642)	421	7-19			48
	E+/MD/MN/T		7-19		8-18 (116)	48
	CENTURY X C252	127	7-14	7-22	8-13	45
27	CI. 9550	233	7-14	7-22	8-14	44
		328	7-14	7-22	8-13	48
	(CRO. 614)	431	7-14	7-22	8-14	46
	E/L/I/MT-T		7-14		8-14 (112)	46
	B572A3-47-1-1	128	7-23		8-24	48
28	PI.215,936 X CI.9214	227			8-24	45
	CI. 9570	331	7-23		8-24	47
	(1009)	424	7-23		8-23	46
	E/MD/I/MT	(Stand let in CA in '63)			Rough 8-24 (122)	47
	Stg 59D1350	129	7-23		8-26	47
29	CI. 9453 X CI. 9189	230	7-22		8-26	45
	CI. 9556	322	7-21		8-25	44
	(Stg 21-8)	426	7-22		8-24	45
	E/L/I/T		7-22		8-25 (123)	45
	B502A3-106	130	7-21		8-22	42
30	BBT X CP-231	228	7-22		8-22	42
	CI. 9442	334	7-21		8-23	42
	(30)	423	7-22		8-22	41
	E/ML/I/T		7-22		8-22 (120)	42

Lodging	Stand HB	2nd/Alk 62 / 63	Burret 62 / 63		YIELD GMS.	LBS./A	BU/A	GR. SIZE
MR / MR	(R) (R)	11/I / 13			1019			L
					1036		35	
					1084			
					1122			
0%			60.6	68.7	4261	4261	26.3	
S / S		20			932			L
					918		33	
					944			
					964			
0%			64.0	69.7	3758	3758	23.2	
R / S	(R) (R) R	13/I / 16	38		1311			L
					1165		38	
					1187			
					1179			
0%			46.8	68.3	4842	4842	29.9	
R / MR		29			940			L
					1073		33	
					829			
					889			
0%			63.2	68.7	3731	3731	23.0	
S / S		23/I / 20	40		1183			L
					1188		35	
					1049			
					1079			
0%			56.4	68.4	4499	4499	27.8	

B572A1-6-5-1

26 PI. 215936 X CI. 9214

CI. 9569

(642)

E+/MD/MN/T

CENTURY X C252

27 CI. 9550

(CRo. 614)

E/L/I/MT

B572A3-47-1-1

28 PI. 215,936 X CI. 9214

CI. 9570

(1009)

E/MD/I-/MT

STg 59D1350

29 CI. 9453 X CI. 9187

CI. 9556

(STg 21-8)

E/L/I/T

B502A3-106

30 BBT X CP-231

CI. 9442

(30)

E/ML/I/T

	YIELD GMS.	LBS./A	BU./A	GR. SIZE
	1019			L
	1036		86	
	1084			
	1122			
	4261	4261	26.3	
	932			L
	918		78	
	944			
	964			
	3758	3758	23.2	
	1311			L
	1165		88	
	1187			
	1179			
	4842	4842	29.9	
	940			L
	1073		86	
	829			
	889			
	3731	3731	23.0	
	1183			L
	1188		01	
	1049			
	1079			
	4499	4499	27.8	

			DATE HEADING 1ST	DATE HEADING FULL	DATE FULL RIPE	PLANT HT. (IN.)
	411-1-8 X Rex-252	131	7-19		8-15	47
31	CI. 9418	226	7-19		8-14	45
		333	7-19		8-15	46
H=8-16	(CRo. 5058)	432	7-19		8-15	47
	VE/ML/I/T		7-19		8-15	46 (113)
	B589A9-29-1-2	132	7-22			51
32	BGT-50/2 X Gulf Rose	223	7-22			46
	CI. 9572	329	7-21			49
H=8-7	(1029)	434	7-20		8-17	49
	E/L/I+/T sl.		7-21		8-17	49 (115)
	B572A3-47-11-1	133			8-25	45
33	PI. 215936 X CI. 9214	232	7-24		8-25	45
	CI. 9571	321			8-26	45
H=8-27	(1037 B)	430			8-25	46
	E/MD/MW/I+	(Short lat + good yield in Col in '63)	7-24		8-25	45 (123)
	STG 521305	134	7-22			43
34	R-7689 X (TP X R-SBR)	229	7-22		8-23	43
	CI. 9187	324			8-22	42
H=8-27	(34)	425	7-23		8-22	43
	VE/MD/MW/I+		7-22		8-22	43 (120)

Blast

R-1 / R-6					YIELD GMS	LBS./A	CWT/A	GR. SIZE
Lodging								
S / S		23/I / 16	34		910			L
					986			
					940			
					1036			
0%			67.9	71.9	3872	3872	23.9	
(S*) (R) S	(MR) (0-2) 2 3	27/I / 30	34		1020			L
					868			
					883			
					938			
0%			64.4	69.0	3709	3709	22.9	
R) S (Sag) S	(R) (R) R	11/I 4½ / 12	36		1180			L
					1202			
					1027			
					1228			
0%			50.4	66.3	4687	4687	28.9	
MR / MR		36/I / 29	45		1319			L
					1032			
					945			
					1026			
0%			51.8	64.4	4322	4322	26.7	
			AVERAGE				25.2	

411-1-8 X Rex-252

31 CI. 9418

(CRO. 5058)

VE/ML/I/T

B589A9-29-1-2

32 BBT-50/2 X Gulf Rose

CI. 9572

(1029)

E/L/I+/T

B572A3-47-11-1

33 PI. 215936 X CT. 9214

CI. 9571

(1037 B)

E/MD/MN/I+(

STG 521305

34 R-7689 X (TP X R-SBR)

CI. 9187

(34)

VE/MD/MN/I

	YIELD GMS	LBS./A	BU/A	GR. SIZE
	910			L
	986			
	940			
	1036			
	3872	3872	23.9	
	1020			L
	868			
	883			
	938			
	3709	3709	22.9	
	1180			L
	1202			
	1027			
	1278			
	4687	4687	28.9	
	1319			L
	1032			
	945			
	1026			
	4322	4322	26.7	
			25.2	

GROUP III

Sown: 4-24

			DATES HEADING 1ST	DATES HEADING FULL	DATES RIPE	PLANT HT. (IN.)
	B502A2-113-B3	141	7-23		8-24	47
41	BBT X CP-231	246	7-23		8-22	44
	CI. 9402	348	7-23		8-22	45
HV 8-27	(41)	450	7-22		8-22	45
	E/MD-/I/I		7-23		8-22 (120)	45
	B585A1-1-2-3	142	7-24		8-25	52
42	BBT-50 X DH4A	248	7-24		8-24	47
	CI. 9573	352	7-25		8-24	51
HV 8-27	(826)	445	7-26		8-26	48
	E/I/MW/T		7-25		8-25 (123)	49
	B589A9-36-1-1	143	8-4		9-1	46
43	BBT-50/2 X GULFROSE	253	8-4			43
	CI. 9574	343	8-4			46
HV 9-6	(1032)	449	8-3			47
	ME/I/E/MT		8-4		9-1 (130)	45
	BLUEBONNET-50	144	8-1		9-1	47
44	CI. 8990	249	8-1			48
		347	7-31		8-31	46
HV 9-6	(44)	454	7-31			47
	E-/I-/MW/MT		8-1		9-1 (130)	47
	B5233A1-96-2-2-3	145	7-31		8-31	42
45	CI. 9278 X TP	242	7-31			43
	CI. 9444	346	7-31			41
HV 9-6	(45)	453	7-30		8-30	42
	E-/I/I/MT		7-31		8-31 (129)	42

Blast R-1 / R-6	Stand HB	Sod/Alk 62 / 63	Biocat 62 / 63		Yield Gms	Lbs/A	Bu/A	Gr St
Lodging								
MR / S		20/I / 16	43		980			L
					924			I+
					1018			
			MILLING	%	965			
			HEAD	TOTAL				
0%			56.5	70.0	3887	3887	24.0	
S / S	(S)	19/I / 18	36		1252			L
					1064			S+
					1174			
					1070			
0%			56.8	73.5	4560	4560	28.1	
(S*)MR / (R)MR	(R) (OF 3)	12/I / 14	35		1086			L
					1039			S+
					1028			
					956			
0%			56.4	68.0	4109	4109	25.4	
(S*) / (R) S	(R) (S)	29/I / 21	34		1045			L
					1060			S+
					1010			
					1071			
0%			58.3	69.8	4186	4186	25.8	
S / S		25/I / 15	40		1062			L
					1129			S+
					1045			
					1064			
0%			58.8	69.0	4300	4300	26.5	

GROUP III

Sown: 4-24

B502A2-113-B3

41 BBT X CP-231

CI. 9402

HV 8-27

(41)

E/MD-/I

B585A1-1-2-3

42 BBT-50 X DIHA

CI. 9573

HV 8-27

(826)

E/L/MW/T

B589A9-36-1-1

43 BBT-50/2 X GULFROSE

CI. 9574

HV 9-6

(1032)

ME/L/E+/MT

BLUEBONNET-50

44 CI. 8990

HV 9-6

(44)

E-/I-/MW

B5233A1-96-2-2-3

45 CI. 9278 X TP

CI. 9444

HV 9-6

(45)

E-/L/I/M+

	YIELD GMS	LBS/A	BU/A	GRA SIZ
	980			L
	924			
	1018			
	965			
	3887	3887	24.0	
	1252			L
	1064			
	1174			
	1070			
	4560	4560	28.1	
	1086			L
	1039			
	1028			
	956			
	4109	4109	25.4	
	1045			L
	1060			
	1010			
	1071			
	4186	4186	25.8	
	1062			L
	1129			
	1045			
	1064			
	4300	4300	26.5	

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	FORTUNA	146	8-4		9-4	57
46	CI. 1344	251	8-5			53
		354	8-5			56
4w 9-6	(CRO. 508?)	443	8-5			56
	ME/I-/W/MT		8-5		9-4	55
					(133)	
	TORO	147	7-26		8-28	51
47	CI. 9013	241	7-28			49
		351	7-29			51
4w 9-6	(CRO. Fd.)	447	7-28		8-28	50
	E-/I/I/MT		7-28		8-26	50
					(126)	
	B589A4-70-1-2	148	7-30			46
48	BBT-50/2 X GULFROSE	245	7-30			45
	CI. 9575	344	7-30		8-30	46
4w 9-6	(1007)	446	7-31		8-30	47
	E/ML/W/MT-		7-30		8-30	46
					(128)	
	STG 9446-13	149	7-27	8-4		41
49	BBT-50 X CP-231	252	7-26	8-4		41
	CI. 9557	341	7-27		8-31	41
4w 9-6	(STG H.R.)	452	7-28		8-31	40
	MS/ML/I-/M-		7-27		8-31	41
					(129)	
	B589A18-21-3-1-8	150	7-23		8-22	42
50	BBT-50/2 X GULFROSE	244	7-24		8-24	42
	CI. 9576	353	7-24		8-24	43
4w 9-6	(1036)	451	7-24		8-25	42
	ME/I/MW/M		7-24		8-24	42
	(short lit. V good yield in cl in '63)				(122)	

Blast R-1 / R-6	Stand HB	Ind/Alk 62 / 63	Biuret 62 / 63						
Lodging						YIELD GMS	LBS/A.	BU/A.	GR. SIZE
S / S	R / S	32/I / 22	37 /			1140			L
						1138		39	
						1192			
						1043			
0%			52.7	70.5		4513	4513	27.9	
S / S	S	46 /	/			1092			L
						1049		38	
						1163			
						1091			
0%			64.7	69.5		4395	4395	27.1	
S / S		13 /	/			974			L
						1174		88	
						1211			
						1202			
0%			53.1	71.6		4561	4561	28.2	
S / MR		20 /	/			1187			L
						1163		88	
						1048			
						1124			
0%			43.3	67.9		4522	4522	27.9	
S / R	/ R	13 I / 16	35 /			1032			L
						907		02	
						1047			
						1008			
0%			60.4	69.1		3994	3994	24.7	

46 FORTUNA
CI. 1344

(CRO. 5087)
ME/I-/W

47 TORO
CI. 9013

(CRO. Fd.)
E-/I/I/

48 B589A4-70-1-2
BBT-50/2 X GULFROSE
CI. 9575

(1007)
E/M/W/M

49 STG 9446-13
BBT-50 X CP-231
CI. 9557

(STG H.R.)
MS/M/I-/

50 B589A18-21-3-1-8
BBT-50/2 X GULFROSE
CI. 9576

(1036)
ME/I/MW/

YIELD GMS	LBS/A.	BU/A.	GR. SIZE
1140			L
1138		34	
1192			
1043			
4513	4513	27.9	
1092			L
1049		32	
1163			
1091			
4395	4395	27.1	
974			L
1174		28	
1211			
1202			
4561	4561	28.2	
1187			L
1163		28	
1048			
1124			
4522	4522	27.9	
1032			L
907		02	
1047			
1008			
3994	3994	24.7	

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	Stg 59D 2904	151	8-1		8-28	44
51	ARKROSE X BBT-50	254	8-1		8-28	48
	CI. 9486	345	8-1		8-28	48
	(51)	441	7-31		8-28	44
	ME/MD/E-/E-		8-1		F-28	46
					(126)	
	Stg 603732	152	7-26	8-4	8-25	41
52	ARKROSE X BBT-50	250	7-26	8-4	8-25	42
	CI. 9558	342	7-27		8-26	42
	(Stg 45-6)	444	7-26		F-27	43
	MS/MD/E-/MS		7-26		8-26	42
					(124)	
	B5233A1-2-2-1-2	153	7-30		8-30	43
53	CI 9278 X TP	243	7-30			43
	CI. 9536	350	7-27			43
	(53)	448	7-29		8-30	44
	ME/ML/E+/M+		7-29		8-30	43
					(128)	
	(Du-TP X UNK) X BBT-50	154	8-2		9-1	49
54	CI. 9551	247	8-2			46
		349	8-2			45
	(CRO.606)	442	8-2			45
	ME/ML/E+/MT		8-2		9-1	46
					(130)	

Blast / Lodging	St. Hd / HB	Iod/ALK 62 / 63	Biurat 62 / 63		Yield Gms.	Lbs/A	Bu/A	Grain Size
R / S		36/I / 21	38		1245			L
					1131			
					1213			
					1107			
0%			61.4	67.9	4696	4696	29.0	
R / S		72			1055			L
					996			
					1122			
					1104			
0%			62.7	68.0	4277	4277	26.4	
S / S		27/I / 19	39		1242			L
					1115			
					1169			
					1187			
0%			50.0	68.3	4713	4713	29.1	
S / S	VS (R)	14/L / 16			1489			L
					1146			
					1178			
					1117			
0%			60.3	68.0	4930	4930	30.4	

Stg 59D 2904

51 ARKROSE X BBT-50

CI. 9486

(51)

ME/MD/E-

Stg 603732

52 ARKROSE X BBT-50

CI. 9558

(Stg 45-6)

MS/MD/E-

B5233A1-2-2-1-2

53 CI 9278 X TP

CI. 9536

(53)

ME/ML/E-

(Du-TP X UNK) X BBT-5

54 CI. 9551

(CAB. 606)

ME/ML/E-

								YIELD GMS.	LBS/A	BU/A	GR. SIZE
								1245			L
								1131			
								1213			
								1107			
								4696	4696	29.0	
								1055			L
								996			
								1122			
								1104			
								4277	4277	26.4	
								1242			L
								1115			
								1169			
								1187			
								4713	4713	29.1	
								1489			L
								1146			
								1178			
								1117			
								4930	4930	30.4	

GROUP IV

Conn: 4-24

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	CALORO	161	7-22			52
61	CI. 1561-1	264	7-22			48
		367	7-24		8-27	51
Hv 8-27	(61)	470	7-23		8-26	47
	ME/D-/MN/MT		7-23		8-27	49
					(125)	
Hv 8-24; 9-6	STg [illegible]	162	7-21		8-22	47
62	LAC. X (CALORO)3	263	7-21		8-22	45
	CI. 9559	368	7-21		8-21	44
Hv 8-27	(STg 49-4)	472	7-22		8-22	44
	ME/D/MN/MT+		7-21		8-22	45
					(120)	
	STg 567989	163	7-27	8-4	8-29	48
63	LAC. X (CALORO)2	270	7-26	8-4		46
	CI. 9494	374	7-28		8-29	46
	(STg 19-2)	461	7-26		8-29	48
Hv 9-6	ME/ML/I/T		7-27		8-28	46
					(127)	
	P.I. 215,936	164	7-25	8-3		45
64	TAINAN-IKU 489	265	7-26	8-3		42
		372	7-26		8-26	41
Hv 8-27	(STg 2-2)	473	7-26		8-26	42
	ME/D+/MN/I		7-26		8-26	42
					(124)	
	LACROSSE	165	7-20		8-21	49
65	CI. 8985	274	7-22		8-21	51
		364	7-22		8-21	50
Hv 8-27	(STg 18-16)	468	7-21		8-21	50
	MST/L/W/T+		7-21		8-21	50
					(119)	

Blast R-1 / R-6	Str Hd / HB	Tol/ALK 62 / 63	Burst 62 / 63		Yield Gms	Lbs./A	Bu/A.	Grain Size
Lodging								
R / S	(5)	55/4 / 32	38		1260			S
					1295			
			Milling %		1369			
			Head	Total	1165			
0%			72.3	73.4	5089	5089	31.4	
R / S		43			1332			S
					1242			
					1385			
					1234			
0%			64.6	73.1	5193	5193	32.1	
R / S		57/4 / 36	32		1409			S
					1341			
					1284			
					1317			
0%			68.6	71.1	5351	5351	33.0	
R / MR		43/4 / 25	42		1193			S
					1071			
					1160			
					960			
0%			67.9	71.6	4384	4384	27.1	
R / S		68/4 / 50	41		1300			M
					1209			
					1196			
					1296			
0%			63.3	67.9	5001	5001	30.9	

GROUP IV

Conn: 4-24

61 CALORO
CI. 1561-1

Hv 8-27

(61)

ME/D-/M

Hv 8-24, 09624, STg [redacted]

62 LAC. X CALORO/3
CI. 9559

(STg 49-4)

Hv 8-27

ME/D/MV/M

63 STg 567989
LAC. X CALORO/2
CI. 9494

(STg 19-2)

Hv 9-6

ME/ML/I Y

64 P.I. 215,936
TAIWAN-IKU 487

(STg 2-2)

Hv 8-27

ME/D+/MV/

65 LACROSSE
CI. 8985

(STg 18-16)

Hv 8-27

MS+/L/W/T

YIELD GMS	LBS./A	BU/A.	GR. SIZE
1260			S
1295			
1369			
1165			
5089	5089	31.4	
1332			S
1242			
1385			
1234			
5193	5193	32.1	
1409			S
1341			
1284			
1317			
5351	5351	33.0	
1193			S
1071			
1160			
960			
4384	4384	27.1	
1300			M
1209			
1196			
1296			
5001	5001	30.9	

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
66	Stg 55552-7	166	7-22		8-22	54
	Lac. X Z-Nira	268	7-22		8-21	53
	CI. 9460	373	7-23		8-21	52
	(Stg 10-4)	463	7-23		8-21	48
	MS/E/E+/T-		7-23		8-21 (119)	52
67	Imp. Blue Rose	167	8-14		9-20	56
	CI. 2128	272	8-14	8-20		57
		361	8-13	8-20		57
	(Stg 39-16)	465	8-12	8-20		56
	MS/E+/E-/T		8-13		9-20 (149)	57
68	Ark Rose	168	8-3		9-6	56
	CI. 8310	266	8-2			56
		371	8-3			53
	(Stg Br.)	474	8-2			52
	ME/MD+/MN+/MT		8-3		9-6 (135)	54
69	Cal Rose	169	7-19		8-22	52
	CI. 8988	273	7-19		8-22	52
		365	7-20		8-22	51
	(Stg 19-11)	467	7-19		8-22	50
	ME/MD/MN/MT		7-19		8-22 (120)	51
70	Stg 576233	170	7-25	8-3	8-21	48
	Lac. X Zenith	261	7-25	8-3	8-21	49
	CI. 9560	363	7-24		8-21	50
	(Stg 17-11)	471	7-24		8-21	47
	MS/E/MN/T		7-25		8-21 (119)	49

Blast R-1 / R-6	Stk Ht / HB	Ind/Alk 62 / 63	Burst 62 / 63		YIELD GMS	LBS/A	BU/A	G SI
lodging								
R / R		50/L / 35	35		1172			M
					1027		BR	
					1136			
					975			
0%			67.3	70.3	4310	4310	26.6	
R / S		47			948			M
					1113		BR	
					1072			
					987			
0%			41.4	64.4	4120	4120	25.4	
R / S		42/L / 33	38		1504			M
					1347		BR	
					1362			
					1223			
0%			69.5	70.9	5436	5436	33.6	
R / S		61/L / 40	36		1236			M
					1171		BR	
					1228			
					1081			
0%			68.6	71.3	4716	4716	29.1	
R / HR		37			1057			M
					860			
					922			
					869			
0%			66.6	71.7	3708	3708	22.9	

66 Stg 55552-7
Lac. X Z-Niar
CI. 9460
(Stg 10-4)
MS/I/I+

67 Imp. Blue Rose
CI. 2128
(Stg 39-16)
MS/I+/I-

68 Ark Rose
CI. 8310
(Stg Br.)
ME/MD+/MN-

69 Cal Rose
CI. 8988
(Stg 19-11)
ME/MD/MN

70 Stg 576233
Lac. X Zenith
CI. 9560
(Stg 17-11)
MS/L/MW/I

	YIELD GMS.	LBS/A	BU/A	GR SIZ
	1172			M
	1027			
	1136			
	975			
	4310	4310	26.6	
	948			M
	1113			
	1072			
	987			
	4120	4120	25.4	
	1504			M
	1347			
	1362			
	1223			
	5436	5436	33.6	
	1236			M
	1171			
	1228			
	1081			
	4716	4716	29.1	
	1057			M
	860			
	922			
	869			
	3708	3708	22.9	

		DATES		PLANT HT. (IN.)
		HEADING 1ST FULL	RIPE	
	B571IA1-1P-5-2	171 7-24	8-21	41
71	(B231/3 X B571) X PI 215936	267 7-23	8-21	40
	CI. 9563	369 7-22	8-20	39
	(651)	462 7-24	8-21	40
	MS/MD-/MW/MS	7-23 (Short Int, moderate yield in 1963)	8-21 (19)	40
	B573A4-10	172 7-20	8-26	42
72	PI 215936 X CI 9402	271 7-20		42
	CI 9564	362 7-20	8-24	42
	(312)	466 7-20	8-25	44
	ME/MD+/I/MS	7-20	8-25 (23)	42
	SUPREME BLUEROSE	174 8-7		57
73	CI. 5793	269 8-7		56
		370 8-8		56
	(73)	464 8-7		55
	MS/MD-/E/T	8-7	9-16 (145)	56
	BLUE ROSE SEL.	173		56
74	CI. 9496	262		55
		366 8-13 8-20		55
	(Stg 19-12)	469 8-13		54
	MS/MD-/I/T	8-13	9-24 (149)	55
75				

Blast R-1 / R-6	Str. Hd HB	Iod/ANK 62 / 63	Biuret 62 / 63	Lodging	Yield Gms.	LBS/A	Bus./A	Gr. Size
MR / S	R	10/4 / 9			1135			M
					1071			
					1184			
0%			49.2	70.7	3390	4509	27.8	
MR / MR	R	27/4 / 18			1234			M
					1202			
					1384			
					1273			
0%			63.6	72.0	5093	5093	31.4	
S / S		43/4 / 43	38		1112			M
					942			
					912			
					891			
0%			50.1	66.1	3857	3857	23.8	
R / R		36/4 / 43	37		1161			M
					1014			
					1075			
					969			
0%			41.2	61.4	4219	4219	26.0	

B5711A1-1P-5-2

71 (CB231/3 X BBT) X Pt. 215936

CI. 9563

(651)

MS/MD-/M

B573A4-10

72 Pt. 215936 X CI. 9402

CI. 9564

(312)

ME/MD+/I

SUPREME BLUEROSE

73 CI. 5793

(73)

MS/MD-/E

BLUE ROSE SEL.

74 CI. 9496

(STg 19-12)

MS/MD-/E

75

		Yield Gms.	Lbs/A	Bu./A	Gr. Size
		1135			M
	corrected to 1119 gms	1071			
		1184			
NO YIELD! SPILLED (895)					
	1.33 X	3390	4509	27.8	
		1234			M
		1202			
		1384			
		1273			
		5093	5093	31.4	
		1112			M
		942			
		912			
		891			
		3857	3857	23.8	
		1161			M
		1014			
		1075			
		969			
		4219	4219	26.0	

GROUP - IV

Sown: 4-24

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	RIPE	
81	15/16 REXORO	181	8-31		10-2	50
	CI. 9370-2	286	8-29		10-1	51
		388	8-31			49
	(81)	494	8-31			50
	ME/I-/I/I		8-31		10-2 (161)	50
82	TP-49	182	8-31		9-26	53
	CI. 8991	289	8-29			54
		381	8-30			52
	(BR. Sd.)	485	8-31		9-26	51
	MS/ML/I/MT		8-30		9-26 (155)	53
83	REXORO	183	8-31			57
	CI. 1779	281	9-2			54
		389				54
	(BR. Sd.)	487				52
	ME/I+/I/I		9-1		10-2 (161)	54
84	62C5120,	184	8-31			55
	REX. X BOZ 4	293	9-1			54
	CI. 9552	386	8-31			54
	(CRO. 5120)	490	8-30			55
	ME/I/M10/MT		8-31		10-2 (161)	55
85	REX. SEL.	185	8-30		9-27	50
	CI. 9448-2	290	8-30			53
		392	8-30			50
	(85)	481	8-31		9-27	50
	ME/I/I+/MT		8-30		9-27 (156)	51

% Lodging	Blast R-1 / R-6	Str Hd / HB	Iod/ALK 62 / 63	Biuret 62 / 63		Yield Gms.	Lbs./A	Bu./A	Gr Si
	S / S		18/I / 11	34		620			L
						821			
10				MILLING %		815			
				HEAD	TOTAL	612			
Tr				50.7	68.0	2868	2868	17.7	
40	S / S		11/I / 15	32		751			L
50						697			
40						623			
						659			
32%				53.1	68.4	2730	2730	16.9	
40	S / S		13/I / 12	32		557			L
						575			
80						468			
						708			
32%				49.9	68.2	2308	2308	14.2	
45	MR / MR		18/I / 16	34		508			L
70						415			
						614			
						610			
30%				37.9	62.9	2147	2147	13.3	
75	S / S		14/I / 12	38		713			L
20						760			
						791			
20						703			
30%				54.1	65.4	2967	2967	18.3	

GROUP - IV

Sown: 4-24

81 15/16 REXORO
CI. 9370-2

(81)
ME/I-/II/I

82 TP-49
CI. 8991

(BR. Sd.)
MS/ML/I/M

83 REXORO
CI. 1779

(BR. Sd.)
ME/I+/I/I

84 62C 5120,
REX. X BOZU
CI. 9552
(CRO. 5120)
ME/I/M10

85 REX. SEL.
CI. 9448-2

(85)
ME/I/I+/MI

	YIELD GMS.	LBS./A	BU./A	GR. SIZE
	620			L
	821			
	815			
	612			
	2868	2868	17.7	
	751			L
	697			
	623			
	659			
	2730	2730	16.9	
	557			L
	575			
	468			
	708			
	2308	2308	14.2	
	508			L
	415			
	614			
	610			
	2147	2147	13.3	
	713			L
	760			
	791			
	703			
	2967	2967	18.3	

86 B4527A1-11
TP-49 X Rex
CI. 9120
(86)
MS/I/I/M

87 PANDHORI
CI. 6001
bird damage in A²C series
(87)
MS/MD/N/VT

88 TEXAS PATNA
CI. 8321
(88)
MS-ME/L/I/T

89 B4527A1-20
TP-49 X Rex.
CI. 9133
(89)
ME-MS/I/I

90 R-D
CI. 8643
(90)
ME/L/I+/I

	YIELD GMS.	LBS./A	BUS./A	GR. SIZE
	452			L
	825			
	846			
	802			
	2925	2925	18.1	
	781			M
	1130			
	1415			
	1149			
	4475	4475	27.6	
	858			L
	863			
	715			
	639			
	3075	3075	19.0	
	628			L
	752			
	646			
	707			
	2733	2733	16.9	
	973			L
NO YIELD / SPILLED (784 gm)	—			
	924			
	823			
1:33 X	2770	3684	22.7	

corrected to 917

B4527A1-11
86 TP-49 X Rex
CI. 9120
(86)
MS/I/I/M

PANDHORI
87 CI. 6001

bid change in AT Cross

(87)
MS/MD/N/VT

TEXAS PATNA
88 CI. 8321

(88)
MS-ME/L/I/T

B4527A1-20
89 TP-49 X Rex.
CI. 9133
(89)
ME-MS/I/I

R-D
90 CI. 8643

(90)
ME/L/I+/M

YIELD GMS.	LBS/A	BUS/A	GR SIZE
452			L
825			
846			
802			
2925	2925	18.1	
781			M
1130			
1415			
1149			
4475	4475	27.6	
858			L
863			
715			
639			
3075	3075	19.0	
628			L
752			
646			
707			
2733	2733	16.9	
973			L
—			
924			
823			
2770	3684	22.7	

NO YIELD ? SPILLED (784 gm.)

corrected to 917

1.33x

			DATES			PLANT HT. (IN.)
			HEADING		RIPE	
			1ST	FULL		
	B5617A40-24-2	191	8-6			40
91	Rex 1/2 X PI 183,331	287	8-5			39
	CI. 9566	394	8-6			40
	(331)	489	8-5			40
	E/D/I/S		8-6		9-7 (136)	40
	R-PRL X G[illegible]	192	8-18		9-22	50
92	CI. 9031-2	291	8-18		9-22	52
		383	8-18	8-26	9-22	51
	(92)	486	8-17	8-26		50
	VE/ML/MN/VT		8-18		9-22 (151)	51
	B5617A20-4-2-1	193	8-28			51
93	Rex 1/2 X PI 183,331	282	8-30		9-28	53
	CI. 9565	385	8-30		9-29	49
	(861-98)	491	8-30			49
	ME/L/I/T		8-30		9-29 (150)	50
	C57-5217	194	8-25		9-22	54
94	1/2 Rex X R-D	288	8-25			53
	CI. 9371	382	8-26		9-22	53
	(94)	483	8-26			53
	MS/I-ML/I/IT		8-26		9-22 (151)	53

Blast R-1 / R-6	Str. Hd HB	Iod/Alk 62 / 63	Biuret 62 / 63			Yield Gms	Lbs/A	Bu/A	Gr Sp
Lodging									
S / S		13				745			L
						797			
						876			
						760			
0%			45.5	69.7		3178	3178	19.6	
S / S		13/I	40			1025			L
						1023			
						885			
						874			
0%			58.3	67.0		3807	3807	23.5	
10 / 10		20/I	30			609			L
						711			
						668			
						664			
T-2			53.2	66.4		2652	2652	16.4	
20 S / S		19/I 15	34			1045			L
10						750			
10						652			
10						727			
10%			61.1	69.2		3174	3174	19.6	

B5617A40-24-2

91 Rex 1/2 X Pl. 183,331

CI. 9566

(331)

E/D/I/S

R-Pale X G[illegible]

92 CI. 9031-2

(92)

VE/ML/MN/I

B5617A20-4-2-1

93 Rex 1/2 X Pl. 183,331

CI. 9565

(B61-98)

ME/L/I/T

C57-5217

94 1/2 Rex X R-D

CI. 9371

(94)

MS/I-ML/I

	YIELD GMS	LBS/A	BU/A	GR SP
	745			L
	797			
	876			
	760			
	3178	3178	19.6	
	1025			L
	1023			
	885			
	874			
	3807	3807	23.5	
	609			L
	711			
	668			
	664			
	2652	2652	16.4	
	1045			L
	750			
	652			
	727			
	3174	3174	19.6	

GROUP VI Very early maturing varieties

Sown: 4-24

			DATE HEADING 1ST	DATE HEADING FULL	DATE RIPE	PLANT HT. (IN.)
101	NOVA	501	7-16	7-23		57
	CI. 9459	607	7-15	7-23	8-12	64
		711	7-16	7-23		60
	(Stg H.R.)	808	7-16	7-23		62
	ME/I/MW/T		7-16		8-12 (110)	61
102	B575A1-26-4,	502	7-4	7-13	7/31	50
	CI. 9214 X (CI-231 X CI-9122)	603	7-5	7-13	8-1	50
	CI. 9487	706	7-6	7-13	8-1	50
	(102)	812	7-5	7-13	8-1	48
	E/MD/E/MT		7-5		8-1 (99)	49
103	B574A1-36-2,	503	7-5	7-13	7/28	46
	CI. 9214 X CI. 9383	608	7-5	7-13	7-29	50
	CI. 9488	702	7-4	7-13	7-28	48
	(103)	814	7-5	7-13	7-27	46
	E/MD/E/MT		7-5		7-28 (96)	48
104	REX-RED X UNK.	504	6-28	7-5	7/25	54
	CI. 9425-2	614	6-28	7-5	7/25	54
		708	6-29	7-5	7-24	55
	(104)	810	6-29	7-5	7-25	52
	E/I/E/T?		6-29		7-25 (92)	54
105	B575A1-21-5-1	505	7-5	7-13	7/29	53
	CI 9214 X (CI-231 X CI. 9122)	611	7-5	7-12	7/30	54
	CI. 9537	714	7-5	7-12	7-30	51
	(105)	801	7-4	7-12	7-20	49
	E/MD/I/MT		7-5		7-30 (97)	51

Blast R-1	Blast R-6	Str. Hd	Iod/Alk	Biuret	Yield gms	Lbs/A	Bu/A	Grade
			62 63	62 63				
Lodging								
R	MR	69/L	54	42	1350			M
70					~~1385~~			
20					1385			
80					1262			
42%				58.6 65.8	3997	5316	32.8	
0	S S	21/I	18	35	1265			L
80					1154			
80					1146			
70					1182			
57%				60.2 67.4	4747	4747	29.3	
10	S R	20/I	18	38	1287			L
80					1280			
0					1343			
70					1295			
40%				57.4 67.6	5205	5205	32.1	
20	S S	21/I	19	32	951			L
85					1089			
80					1025			
70					966			
24%				53.6 69.6	4031	4031	24.9	
5	S R	11/I	14	35	1370			L
50					1360			
0					1320			
5					1292			
15%				58.1 67.2	5347	5347	33.0	

GROUP VI Very ea

own: 4-24

101 NO VA
CI. 9459

(Stg H.R.)
ME/I/MW/T

102 B575A1-26-4,
CI. 9214 X (CI-231 X CI.9122
CI. 9487
(102)
E/MD/I/M

103 B574A1-36-2,
CI. 9214 X CI. 9383
CI. 9488
(103) some empty lds from shattering?
E/MD/I/M

104 REX-RED X UNK. some lodging, sink stained
CI. 9425-2
(104)
E/I/I/T?

105 B575A1-21-5-1 Stratford, latter straw Bells
CI. 9214 X (CI-231 X CI. 9122
CI. 9537
(105)
E/MD/I/M

		YIELD gms	LBS./A	BU/A	G
		1350			M
Corrected 1319		1385			
		1262			
	1.33X	3997	5316	32.8	
		1265			L
		1154			
		1146			
		1182			
		4747	4747	29.3	
		1287			L
		1280			
		1343			
		1295			
		5205	5205	32.1	
		951			L
		1089			
		1025			
		966			
		4031	4031	24.9	
		1370			L
		1360			
		1320			
		1292			
		5347	5347	33.0	

			DATES			PLANT HT. (IN.)
			HEADING		FULL RIPE	
			1ST	FULL		
	VEGOLD	506	7-4	7-11	7/31	52
106	CI. 9386	604	7-3	7-11	7-31	51
		709	7-3	7-11	8-1	53
	(106)	813	7-3	7-11	7-31	52
	ME/ML/I-/MT		7-3		7-31 (98)	52
	B574A1-1-4	507	7-5	7-12	7/25	52
107	CI 9214 X CI. 9383	606	7-5	7-12	7-27	53
	CI. 9538	713	7-4	7-12	7-27	50
	(107)	809	7-5	7-12	7-26	50
	ME/MD/I/MT		7-5		7-26 (93)	51
	R-R X R-252	508	7-5	7-12	8/1	54
108	CI. 9543	613	7-6	7-12	8/2	52
		710	7-6	7-13	8/2	53
	(CAO. 5524)	802	7-5	7-12	8-2	49
	ME/I/MW/I		7-6		8-2 (100)	52
	NATO XF. (RR X Bozo)	509	7-3	7-13	8/1	48
109	CI. 9489-3	601	7-3	7-14	7/31	42
		707	7-3	7-14	8-1	46
	(CAO. 5219)	811	7-3	7-13	8-1	45
	ME/I/MW/MT		7-3		8-1 (99)	45
	B575A1-38-3	510	7-1	7-10	7/30	47
110	CI 9214 X (CI. 231 X CI. 9122)	605	7-1	7-9	8-1	49
	CI. 9490	712	7-1	7-9	8-1	48
	(110)	803	7-1	7-9	7-30	48
	ME/MD/I/M		7-1		7-31 (98)	48

Blast R=1 / R-6	Stk. Hd / AB	Tod/ALK 62 / 63	Bäurer 62 / 63	YIELD GMS.	LBS/A	BU/A	GR SIZE
80 S / S		21/I / 16	36	1246			L
70				1228			
80				1173			
70				1161			
75%			58.9	68.9	4808	4808	29.7
85 S / S		25/I / 17	34	1182			L
70				1132			
0				1278			
60				1128			
54%			62.8	69.1	4772	4772	29.5
90 S / R		18		1036			L
90				1084			
80				1108			
10				1180			
67%			45.5	62.7	4408	4408	27.2
90 R / S		67/4 / 65	29I	1064			M
90				1001			
90				935			
70				756			
85%			65.1	68.7	3756	3756	23.2
85 MR / MR		23/I / 17	35	1241			L
80				1214			
70				1245			
60				1201			
36%			55.5	66.4	4901	4901	30.3

106 VEGOLD
CI. 9386

(106)
ME/ML/I-/

107 B574A1-1-4
CI9214 X CI. 9383
CI. 9538

(107)
ME/MD/I/

108 R-R X R-252
CI. 9543

(CRo. 5524)
ME/I/MW/

109 NATO XF.(RR X BOZO)
CI. 9489-3

(CRo. 5219)
ME/I/MW/

110 B575A1-38-3
CI9214 X (CP-231 X CI. 9122)
CI. 9490

(110)
ME/ML/I/M

YIELD GMS.	LBS./A	BU./A	GR. SIZE
1246			L
1228			
1173			
1161			
4808	4808	29.7	
1182			L
1132			
1278			
1128			
4772	4772	29.5	
1036			L
1084			
1108			
1180			
4408	4408	27.2	
1064			M
1001			
935			
756			
3756	3756	23.2	
1241			L
1214			
1245			
1201			
4901	4901	30.3	

			DATES HEADING 1ST	HEADING FULL	RIPE	PLANT HT. (IN.)
	RR X 250 MAG	511	7-1	7-10	7/30	49
111	CI. 9553	609	7-1	7-9	7-29	51
		704	7-1	7-9	7-29	49
	(CR05214)	806	7-1	7-9	7-29	53
	ME/ML/W/T		7-1		7-29 (96)	51
	R-R X 250 MAG	512	6-29	7-6	7/29	45
112	CI. 9475	602	6-29	7-6	7-29	52
	DISCARDED 'D' 1/30/57	705	6-29	7-5	7-29	53
	(112)	807	6-30	7-6	7-29	52
	E/MD/I/MT		6-29		7-28 (96)	51
	BELLE PATNA	513	7-1	7-8	7/28	51
113	CI. 9433	612	7-1	7-8	7/27	54
		701	7-2	7-10	7-28	47
	(BR.)	805	7-1	7-9	7-28	52
	ME/ML/IL/MT		7-1		7-28 (95)	51
	B575 A1-57-5	514	7-6	7-15	8-5	49
114	CI.9214 X (CI-231 X CI.9122)	610	7-6	7-16	8-5	47
cut grand	CI. 9544	703	7-6	7-13	8-5	47
	(114)	804	7-6	7-13	8-5	47
	E/D/MN/T		7-6		8-5 (103)	47

Blast R-1 / R-6	Str-Hd / HB	Tod/Ank 62 / 63	Binuret 62 / 63	Yield gms.	Lbs./A	Bu/A	Grade Size
Lodging							
R NR 80%		38		7			M
90				842			
90				963			
90				769			
87%			65.9 69.7	2574	3423	21.1	
R S		68/L 55	33	1472			M
90				948			
90				949			
87%			65.3 69.3	3369	4481	27.7	
S S		23/I 14	34	1261			L
90				1211			
60				1063			
56%			61.3 68.9	1117			
S S	(35-M-2)	25/I 15	33	4652	4652	28.7	
5				1800			L
5				1406			
8				1250			
T.V			60.6 68.6	1317			
				5773	5773	35.6	

111	RR X 250 MAG CI. 9553 (CRO 5214) ME/ML/W/	
112	R-R X 250 MAG CI. 9475 DISCARDED 'D' 1Bait (112) E/MD/I/	D lodged & sprouted.
113	BELLE PATNA CI. 9433 (BR.) ME/ML/I+	
114 cut grand	B575 A1-57-5 CI. 9214 X (CP-231 X CI. 9122) CI. 9544 (114) E/D/MN/I	

		Yield gms.	LBs./A	Bu./A	GR. SIZE
Spilled! lost! →					M
Corrected to 849	842				
	963				
	769				
1.33 X	2574	3423	21.1		
	1472				M
Corrected to 1112	948				
	949				
lost!	—				
1.33 X	3369	4481	27.7		
	1261				L
	1211				
	1063				
	1117				
	4652	4652	28.7		
gl. WT. 1595	1800				L
1565	1406				
1575	1250				
1720	1317				
6455	5773	5773	35.6		
14.2 lbs.					

REP. FIELD PLOTS 1/1000 ACRE PLOTS

GROUP I VERY EARLY

discarded

	SOWN: 6-5		DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
401	B593 A9-7	101	8-9		9-12	46
	B.P. X [(CP231/3 X BOT)/3 X PI 215,936]	204	8-9		9-11	48
		302	8-9		9-10	50
	(541)		Syn. color bulk			
402	BELLE PATNA CI. 9433	102	8-13		9-14	50
		206	8-12		9-12	52
		307	8-13		9-14	53
	(Fd)					
403	VEGOLD CI. 9386	103	8-16		9-15	52
		201	8-16		9-14	51
		304	8-16		9-15	51
	(411)					
404	B575A1-26-4 CI. 9214 X (CP231 X CI. 9424) CI. 9487	104	8-18		9-16	48
		205	8-17		9-15	48
		306	8-17		9-16	48
	(102)					
405	B574A1-36-2 CI. 9214 X CI. 9383 CI 9488	105	8-15		9-13	50
		207	8-15		9-14	50
		301	8-15		9-12	48
	(103)					

Feb 10

20
60
60

70
60
40

70
60
90

50
20
10

60
50
75

REP. FIELD

GROUP I VERY EA

SOWN: 6-5

drican

401	B593 A9-7 B.P. X [(CP231/3 X B01)3 X PI 215,936] (541)	
402	BELLE PATNA CI. 9433 (F4)	-20% bird damage
403	VEGOLD CI. 9386 (411)	
404	B575 A1-26-4 CI. 9214 X (CP231 X CI. 9124) CI. 9487 (102)	
405	B574 A1-36-2 CI. 9214 X CI. 9383 CI. 9488 (103)	

			DATES			PLANT HT. (IN.)
			HEADING		RIPE	
			1ST	FULL		
	B575A1-25-2-1	106	8-15		9-12	49
406	(Ca.9214 X (Cross) Ca.9122)	203	8-15		9-12	50
		305	8-15		9-12	47
	(223)					
	B574A1-45-1-1	107	8-13		9-14	51
407	Ca.9214 X Ca.9383	202	8-14		9-12	50
		303	8-13		9-12	50
	(207)					

To Lodge

10
70
20

40
100
90

406 B575A1-25-2-1
Cr.9214 X (CP231 X Cr.9122)

(223)

407 B574A1-45-1-1
Cr.9214 X Cr.9383

(207)

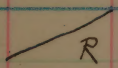
GROUP II EARLY

Town: 6-5

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
408	NOVA CI. 9459 (7)	108	8-27			54
		209	8-25			53
		315	8-25			54
409	NATO CI. 8998 (Br.)	109	8-28			57
		212	8-28			56
		320	8-27			57
410	B58 1A6-1H-1 (CP-231/3 X OB-1)/2 X CI. 215 PX (7724-25 A,B C)	110	8-28			43
		208	8-28			43
		318	8-28			47
		Rogue off type				
411	CENTURY PATENT 231 CI 8993 (Fd)	111	8-30			55
		213	8-30			57
		322	8-31			57
412	B573A1-5-41 ~~(CP-231/3 OB-1 X CI. 8586~~ PI. 215936 X CI. 9402 (65d)	112	8-28			55
		211	8-28			53
		316	8-27			56

To Lodge

20
40
90



20

GROUP II EARLY

Sown: 6-5

408 NOVA
CI. 9459
(7)

409 NATO
CI. 8998
(Br.)

— some hail damage < 5%

410 B58 1A6-181-1
(CP-231/3 X BB-7)/2 X PI. 215,936
(7724 - 25)
A,B C

411 CENTURY/PATNA 231
CI. 8993
(Fd)

412 B573A1-5-41
~~(CP-231/3 X BB-7)/2 X PI. 215,936~~
PI. 215936 X CI. 9402
(658)

			DATES			PLANT HT. (IN.)
			HEADING		FULL RIPE	
			1ST	FULL		
413	B573A3-2-5-3	113	8-30			49
	~~(B-237-5 X BBT) X Pt.215,936~~	214	8-29			50
	Pt.215,936 X Ct.9402	319	8-30			49
	(615 A, 59 B, 61 C)					
414	B5813A8-3	114	8-24			51
	Pt.215,936 X Lac.	210	8-25			47
		317	8-27			52
	(686 A, 709, 20 B.C)					
			Rogue 9/6			
415	B5816A2-22-2	115	8-24			52
	Gulfrose X (2X BB/3 X R)	217	8-25			54
		323	8-27			54
	(7246-47-48 A B C)					
416	B579A2-20-2	116	8-24			54
	BBT-50 X Gulfrose	219	8-25			57
		311	8-25			57
	(707)					
417	B5844A3-50-1-2	117	9-5			54
	BBT-50/2 X Gulfrose	216	9-4			56
		321	9-4			60
	(555)					

Lehrjahr

5%

20

90%

15

10

413 B573AB-2-5-3
~~(Pt.215,936 X BBT) X Pt.215,936~~
Pt.215,936 X Ct.9402
(615 A, 58 B, 61 C)

414 B5813AB-3
Pt.215,936 X Lac.
(686 A, 70A, 20 B, C)

415 B5816A2-22-2 — Bird damage 5%
Gulfrose X (ZX BB/3 X R) — " " 5%
(G246-47-48 A B C)

416 B579A2-2B-2 - Bird damage 20%
BBT-50 X Gulfrose - " " 15%
- " " 15%
(707)

417 B5844A3-50-1-2 Broad-leaf blanketing plots before heading!
BBT-50/2 X Gulfrose Bird damage 4 panicles has diff. time emerging from boot.
(555)

			DATES			PLANT HT. (IN.)
			HEADING		FULL RIPE	
			1ST	FULL		
	B515A1-55-2-1-4-2	118	9-5			
418	CP231 X Pt. 184,812	220	9-4			
		309	9-5			
	(668)					
	B505A1-28-7-1-2	119	8-29			57
419	CP-231 X Ho-12	218	8-28			55
	CI. 9534	324	8-28			56
	(25)					
	B593A11-3	120	9-3			58
420	B.P. X [(CP-231/3 X BB7)/2 X	221	9-1			57
	Pt. 215,930]	313	9-1			58
	(544)					
	B55158A14-1-1	121	9-1			53
421	CP-231/2 X B502A2-119	215	9-1			53
		310	9-1			50
	(418)					
	B546A1A3-32	122	8-30			55
422	(CP-231 X TP) X (CI 9122 X	223	8-29			54
	Pt. 180,061)	314				55
	(669)					

Leipzig

20

20%

B515A1-55-2-1-4-2

418 CP231 X Pt. 184,812

(668)

B505A1-28-7-1-2

419 CP-231 X Ho-12

CI. 9534

(25)

B593A11-3

420 B.P. X [(CP-234/3 X BBT)/2 X

Pt. 215,930]

(544)

B5515&A14-1-1

421 CP-231/2 X B502A2-119

(419)

B546IA3-32

422 (CP-231 X TP) X (CI 9122 X

Pt. 180,061)

(669)

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	FULL RIPE	
	B581AG-5Z6-1-1-BK	123	9-4			56
423	(Cp-23 1/3 X BB 1/2) X Pr. 115,936	224	9-2			54
		308	9-2			50
	(633)					
	B572R1-6-2-1	124	8-28			57
424	Pr. 115,936 X Cr. 9214	222	8-28			58
		312	8-29			55
	(641)	off	Type proved			

Lodge

/s

75%
5

B581A6-5X-1-1

423 (Cp. 23 1/3 x BB)½ X Pi. 215,937

(633)

B572A1-6-2-1

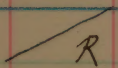
424 Pi. 215,936 X Cr. 9214

(641)

GROUP III (BBT-50)

Sown: 6-5

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	BLUEBONNET-50	125	9-9			
425	CI. 8990	230	9-12			
		337	9-12			
	(B.)					
	B572A3-47-11-2	126	9-6			
426	Pt. 215,936 X CI. 9214	236	9-6			
		330	9-6			
	(6048-49-50 A B C)					
	B572A3-47-13-1	127	9-2			
427	Pt. 215,936 X CI. 9214	225	9-2			46
		339	9-4			
	(6056 CEN. A 646 B,C 3rd of A)					
	B502A3-106	128	9-2			
428	BBT X CP. 231	234	9-2			
	CI. 9442	325	9-2			51
	(30)					
	B5233A1-96-2-23	129	9-8			
429	CI. 9278 X TP	231	9-9			
	CI. 9444	340	9-9			
	(45)					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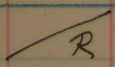
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GROUP III (BBT-50)

SOWN: 6-5

425 BLUEBONNET-50
CI. 8990
(B.)

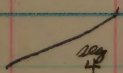
426 B572A3-47-11-2
Pt. 215,936 X CI. 9214
(6048-49-50 A B C)

427 B572A3-47-13-1
Pt. 215,936 X CI. 9214
(6056 CEN. A
646 B,C
gd of A)

428 B502A3-106
BBT X CP. 231
CI. 9442
(30)

429 B5233A1-96-2-23
CI. 9271 X TP
CI. 9444
(45)

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	B589A18-21-1-4Bx	130	9-7			
430	BBT-50/2 X GULFROSE	229	9-7			
		338	9-7			
	(4452-53-54) A X C					
	(4453 = Rd 4454 = Dk for HB in Col in 163)					
	B589A4-8-26-17	131	9-8			
431	BBT-50/2 X GULFROSE	239	9-8			
		332	9-10			
	(56)					
	B589A18-21-4	132	9-7			
432	BBT-50/2 X GULFROSE	226	9-5			
		334	9-7			
	(57)					
	B589A4-11-2	133	9-12			
433	BBT-50/2 X GULFROSE	232	9-12			
		326	9-10			
	(562)					
	B589A9-36-2-47	134	9-14			
434	BBT-50/2 X GULFROSE	238	9-13			
		341	9-13			
	(573)					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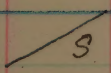
4


S

430 B589A18-21-1-4Bk
BBT-50/2 X GULFROSE

(4452-53-54)
A X C
(4453 = Rd 4

431 B589A4-82-61-7
BBT-50/2 X GULFROSE

(56)

432 B589A18-21-4
BBT-50/2 X GULFROSE

(57)

433 B589A4-11-2
BBT-50/2 X GULFROSE

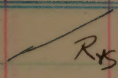
Died damaged before heading

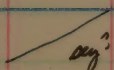
(562)

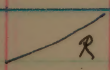
434 B589A9-36-2-4-7
BBT-50/2 X GULFROSE

(573)

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	B589A19-4-2-1	135	9-12			
435	BBT-50/2 X GULFROSE	237	9-10			
		328	9-7			
	(4471-72 A. / 583 B.C)					
	(4472 = R in CR in '63 J 583 = S)					
	B589A30-37-2	136	9-12			
436	BBT-50/2 X GULFROSE	241	9-10			
		333	9-10			
	(607)					
	PI. 260,660	137	9-12			
437		240	9-9			
		327	9-9			
	(614)					
	B571A1-43-2	138	9-10			
438	PI. 215,936 X B571A1-14-2	233	9-9			
		336	9-10			
	(638)					
	B572A3-47-6-3	139	9-6			
439	PI 215,936 X CI. 9214	227	9-5			
		329	9-5			
	(644)					


$R_{\star S}$


α_{γ^5}


R

435 B589A19-4-2-1
BBT-50/2 X GULF ROSE

(4471-72 A.
583 B. C
(4472 = R in GR

436 B589A30-37-2
BBT-50/2 X GULF ROSE

(607)

437 PI. 260,660

(614)

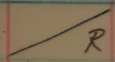
438 B571A1-43-2
Pr. 215,936 X B571A1-H-

(638)

439 B572A3-47-6-3
PI 215,936 X Cr. 9214

(644)

			DATES			PLANT HT. (IN.)
			HEADING		FULL RIPE	
			1ST	FULL		
	B589A 19-97	140	9-5			
440	BBT-50/2 X GULF ROSE	235	9-7			
		331	9-8			
	(5206-07-08 / 76 C)					
	(5206 = Rk HB in Col in '63 + 76 = acc)					
	B589A 21-55-3-BK	141	9-8			
441	BBT-50/2 X GULF ROSE	228	9-9			
		335	9-10			
	(77)					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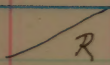

R

B589A 19-97

440 BBT-50/2 X GULFROSE

(5206-07-08 / 76 C)

(5206 = RRHB

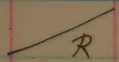
B589A 21-55-3 OR

441 BBT-50/2 X GULFROSE

(77)

GROUP IV MID-SEASON

Sow N: 6-5		DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	B572A3 46-2	142		9-7	43
442	Pt. 215,936 X Cr. 9214	247		9-8	46
	Cr. 9545	343		9-8	45
	(65)		# Type - Ryer		
	(v short hit in Col in '63)				
	B572A 3-22-607	143		9-12	45
443	Pt. 215,936 X Cr. 9214	244		9-13	46
		345		9-12	45
	(281)				
	(v short hit in Col in '63)				
	B572A 3-47-558	144		9-13	46
444	Pt. 215,936 X Cr. 9214	248		9-12	47
		346		9-11	48
	(6111-12-13 A B C)				
	(6112 = R to HB in Col in '63)				
	B589A 18-	145		9-6	49
445	BBT-56-2 X Gulfrose	243		9-14	53
		348		9-13	51
	(575 A / 576 B.C) → Earlier than (576)				
	(575 was v short hit in Col. in '63)				
	B571 IA1-18-3-1	146		9-12	47
446	(Cr. 23-3 X BBT) X Pt. 215,936	242		9-10	48
		344		9-10	48
	(650)	Ryer # Type			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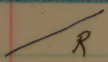
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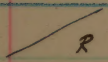
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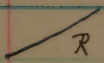

R

GROUP III MID-SEA

Sown: 6-5

B572A3-4b-2

442 Pt. 215,936 X Ct. 9214

CI. 9545

(65)

(V short hit in col in

B572A3-22-607

443 Pt. 215,936 X Ct. 9214

(RR1)

(V short hit in col in '6

B572A3-47-55P

444 Pt. 215,936 X Ct. 9214

(6111-12-13)
A B C

(6112 = R to HB

B584A18-

445 BBT-56/2 X GULFROS

(575 A
576 B, C)

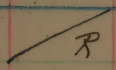
(575 was V short hit

B571HA1-18-3-1

446 ((P-231/3 X BBT) X Pt. 215,936

(650)

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	FULL RIPE	
	PI. 215,936	147		9-11		49
447		245		9-11		51
		342		9-10		49
	(64)	Rogue #4 Type				
	B572A3-475-11-2	148		9-10		45
448	PI. 215,936 Acc. 9214	246		9-10		48
		347		9-11		49
	(6102, 03, 04)					
	(6103 = R X6 HB in Col in '63)					


R

Pt. 215,936

447

(64)

B572A3-47-5-IP2

448 Pt. 215,936 Xcr. 9214

(6102,03,04)

(6103 = R λ

GROUP V LATES

Sown: 5-30

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	TEXAS PATNA	149				
449	CI. 8321	154				
		252				
	(TWI)					
	R x D	249				
450	CI. 8643	254	9-			
		355				
	(1961-90)	OFF TYPES PRESENT				
	B5617A40-24-2	151	9-8			
451	REX/2 x PI. 183,331	349	9-9			
		352	9-8			
	(331)	MIXTURE PRESENT (Reject out)				
	TP-49	150				
452	CI. 8991	253				
		354				
	(Bk.)					
	B551A8-1-1-2	153	9-11			
453	TP/2 x TP DWARF	250	9-12			
		255	9-10			
	(97)					

GROUP V LATE

Sown: 5-30

449 TEXAS PATNA
CI. 8321

(TWI)

450 R x D
CI. 8643

(1961-90)

451 B5617A40-24-2
REX/2 X PI. 183,331

(331)

452 TP-49
CI. 8991

(Bs.)

453 B551A8-1-1-2
TP/2 X TP DWARF

(97)

			DATES HEADING 1ST	DATES HEADING FULL	DATES RIPE	PLANT HT. (IN.)
454	REXORO CI. 1779 (FA.)	251 350 353				
455	REXORO (1940) CI. 1779 (BA.)	152 155 351				

454 REXORO
CI. 1779

(FA.)

455 REXORO
(1940)
CI. 1779
(BR.)

B505 A #25

C.I. 9545

Typh. Bibl.

1974-1 many of these

2126-2

2111-1

2111-2

2104-1

-2

2113-2

2116-1

-2

2105-2

2106-1

2117-4

2118-2

-3

-4

-5

2119-1

-2

-3

-4

-5

2120-1

-2

2121-1

1991-1

1974-2

CR FORM 6
FEB. 1958

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Crops Research Division

FIELD NOTEBOOK
AGRONOMIC NOTES

If found, please tie securely and return to

(Employee's Name)

(Street Address)

(City and State)

U. S. GOVERNMENT PRINTING OFFICE 16—53084-2

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

2491-3

	1st	Full	Str Hd	2nd/alk	Burst	
	H6	Ripe	NB	63		
	B55/A2-5-2-3, TP		2 x Dw TP			
2001			(MR)	20		200
2002	"					
2003	"					
	I Ht.					
	B55/A7-4-1-2,					
2004			(R) "	28	25	200
2005	I Ht.					
2006						
	B55/A7-4-1-2					
2007	Tall		(R?) "	25	25	204
2008						

	1st HD	Full Ripe	Sh Hd / HB	2nd/alk 62 / 63	Burrell 62 / 63	
B551A7-4-1-2 044		(R?)	TP/2 x DwTP 25	25		2009
I.Ex.						
B55223A3-46-1, 030			Payna x 18	Rexoro 27		2010
H.Tall						
						2011
Tall						
Tall						2012
B566A1-41-1, 074			Sh, Sy o.Y. Rex 27	x Rex 21		2013
						2014
						2015
B5617A3-11-3-1, 101 s/p		(MS)	Rex/2 x PI 183,331 28	27		2016

		Str. Hd / HB	Sod/alk 62 / 63	Biuret 62 / 63
2017	B5617A3-11-3-1, Rex/2 x PI183,371 8/8			2101
Pan		MS	28	27
2018	"			✓
	V. Shirley grain Mod. hd.			
2019	B5617A4-38-2-3 8/20		"	2122
			24	28
2020	Revaro 9/1			
2021	B5617A4-38-2-3 8/20 "		"	2122
Pan HV				
2022	" 8/20			✓
2023	B5617A5-1-3-3 8/25		"	2126
			19	
2024	" 8/25		"	✓
Pan HV		Mod. hd. Mod. hd.		

	Str. Hd / HB	Iod/alk 62/63	Biuret 62/63	
B5617A 5-1-3-3, Rex/3 x PI 183,331 426 8/25		19		2025
B5617A 22-10-1-2 134 8/10	Short ht. Med. long gr.	17	″ 23	2026
✓				2027
✓				2028 Pan
B5617A 34-9-3-3, 2205 8/9	⑤	9	″ 30	2029
✓ 8/9 E/MD/MN/I-				2030 Pan [illegible]
✓ 8/9				2031
B5617A 36-69-2-6 2213 8/22	MR?	15	″ 31	2032

		Stk. rd / HB	Sod/alk 62 / 63	Biuret 62 / 63
2033	B5617A 36-69-2-6, 8/2	Rex/2 x 8		$183,331 2213
2034	8/2 v			v
		(MR²)	15	31
2035	B5617A 46-21-2-1, 8/13	(5)	12	26 2250
2036	8/13			v
2037	9/4 S			v
2038	B5617A 4-38-2-1 8/25		12	8844
2039				v
2040	Regaro			

str. std / +B Iod/alk 62/63 Biuret 62/63

B5617A438-2-1, Rpx/2 x PI 183331 2041
8844 8/25
mdark green lf
Pam

12 /

No 47, PI 275453 (Br. Guiana) 2042
8820

36(b) /

2043
✓

light green lf.

in heavy boot of 10-3

2044
✓

B585A1-32-1-1, B124 50 x Dima 2045
2334 8/13
Pam

(MS)(S) / 63 / 23 /

-2 2046
✓ 8/13

-3 2047
✓ 8/13
E/D/MM
Pam

B585A1-78-1-2-1 " 2048
2443 8/13

(Segr.)(S) / 27 / 21 /

		Str. Hd / HB	Iod/alk 62/63	Biuret 62/63	
2049 Low	B585A1-78-1-2, 8/13	-2	BB 450 x	Dima	2443
2050	8/14 E/D/M/N/I Longer gr., thin 2045, 46, 47	-3 Segr (S)	27	21	4
2051	B585A1-100-3-1	(Too late to class)	" 24	24	2521
2052	Too Tall, long panicle, longer gr. Seedy	-2			4
2053		-3			4
2054	B585A1-101-2-1	(S)	" 23	27	2523
2055	Too Tall, best [illegible] 2051, 53	-2			✓
2056		-3			✓

	St. Hd / HB	Iod/alk 62 / 63	Biuret 62 / 63	
B585A1-107-2-1,			BB? SD × Dima	2057
2529				
	/	39 /	23 /	
↓ -2,				2058
				Rev HV
↓ -3,				2059
Dima. ck				2060
				HV
B585A1-108-2-1,			"	2061
2532 9/2				
	(Too late / Glass)	17 /	27 /	SNP HV
↓ 9/1 -2,				2062
				Rev HV
↓ 9/1 -3				2063
				HV
B585A1-111-3-1,			"	2064
2539				
	(Too late / Glass)	25 /	24 /	

		Str. Hd / HB	Iod/alk 62/63	Biuret 62/63
	Bs-85 A1-111-3-	2	BB150 x	Dima
2065	9/1 "			2539
2066	9/1 " Tall, later than 2061-63	-3		✓
		(Too late to class)	25	24
	Bs-85 A1-113-	2-1		"
2067	8/14 S			2542
		●(S)	24	23
2068 Par	8/13 "	-2		✓
2069	8/15 S " Tall,	-3		✓
	Bs-85 A1-113-	3-1	"	
2070	8/16 S			2543
		(S)	(24)	
2071 Par	8/16 "	-2		✓
2072	8/16 " Med. ht.	-3	"	✓

		Str. Hol / +B	Iod/ask 62 / 63	Biuret	
2545	B585A1-115	-2-1,	BBt50 x	Dima	2073
		(5)	38	25	
✓	"	-2			2074
✓	"	-3			2075
2548	B585A1-116	-2-1		"	2076
		(5)	16	28	
✓	"	-2			2077
✓	"	-3			2078
		(V5)	40	26	
2550 8/23	B585A1-118	-1		"	2079
		(V5)	40	26	
	Bt50, ck 9/5				2080

		Str. Hd / HB	Iod/alk 62/63	Biuret 62/63
2081	Bs-85A1-118-1-2, 8/22	BBt50 x D/ma		2550
2082	8/2 " -3,			
		(VS)	40	26
2083	Bs-85A1-118-2-1,		"	2551
		(VS)	(27)	
2084	" -2			
2085	" -3,			
2086	Bs-85A1-118-3-1 9/3			2552
		(VS)	(27)	
2087	" -2			
2088	" -3			

Str. Hd / HB | Iod/Alk 62/63 | Biuret 62/63

B585 A1-123-2-1, BBt50 x Dima 2089
2557
9/1

(Too late to class) | 20 | 25

" -2, 2090
✓ 9/1

Tall, mod. gr., Fine erect lf.

" -3, 2091
✓ 9/1

B585 A1-123-3-1, " 2092
2558
8/31

(25)

" -2, 2093
✓ 9/2

Too Tall

" -3, 2094
✓ 9/2

E/D

B585 A1-127-2-1, " 2095
2561

(Too late to class) | (24)

" -2, 2096
✓

E/D

Too Tall

		St. Hd. / HS	Iod/alk 62 / 63	Biuret 62 / 63
2097	B585A1-127-2-3, BB450 x Dima			2561
	Later room than 2095, 96	(Too late) Glass	(24)	
2098	B585A1-127-3-1, 8/29			2562
	Too Tall	(Too late h.) Glass	29	21
2099	"	-2,		✓
2100	E/D/	-3,		✓

Str.Hd / HB | Iod/alk 62/63 | Biuret 62/63

B585A1-129-3-1, BBtso x Dima 2101

2565

/ | 27 / | 25 /

✓ " -2, 2102

✓ " -3. 2103

Erect, MN leaf, Dark green,
I. Tall

B585A1-134-2-1, " 2104

2567 8/25

(5?) / | 27 / | 22 /

✓ " -2, 2105

Rem

✓ " -3, 2106

Drooping leaf, Med. maturity, Tall

B585A1-140-3-1, " 2107

571

Too late to class / | (36) / | /

✓ " -2 2108

Erect, M leaf, I. Md.
Tall

		Str. Hol / ~~acetic~~ HB	Iod / alk 62 / 63	Biuret 62 / 63
2109	B585A1-140-3-3, BBt50 x D/M2			2571
		(Tuberculate) class	(36)	
2110	B585A1-141-2-1			2573
		(5?)	20	24
2111	" -2			"
2112	" -3			"
2113	B585A1-143-1-1, "			2575
		(5?)	32	
2114	" -2,			"
2115	" -3,			"
2116	B585A1-144-2-1,			2579
			(21)	29

	Str. Hd / HB	Iod/ark 62 / 63	Biuret 62 / 63	
B585A1-144-2-2, BBt50 x Dima 2579				2117
" -3,				2118
		(21)	29	
B585A1-166-1-1, 2610 8/26				2119
	(To latest class)	(29)		
Revaco. ck		13 I		2120
B585A1-166-1-2, 2610 8/26				2121
		26 I		
" -3,				2122
B585A1-166-2-1, 2611 8/				2123
	(To latest class)	36	24	
" -2,				2124

		Str. Hd / HB	Iod/Ack 62/63	Biuret 62/63	
2125	Bs-85A1-166-2-3, 8/26		BB150 x	Dimo	2611
		(Tabulated class)	36	24	
2126	Bs-85A1-166-3-1, 8/26				2612
		(Tabulated class)	(29)		
2127	"	-2,			↓
2128	"	-3			↓
2129	Bs-85A1-2-3-5=1Bk 8/31				2631
		4(5) 4 Bags	24	27	
2130	" 8/31				↓
2131	" 8/31				↓
2132	Bs-85A1-56-1-2-1, 8/31				2856
			38	28	

	Str. Hd	Iod/Apk	Biuret	Agropk	
	HB	62/63	62/63		
B585A1-5-6-1-2-2,		BB+50	x Dima		2133
856					
p-11					
				SNR	
	-3,				2134
		38	>8		
B585A1-3-2-2BK-2					
923 8/13					2135
	(S)	12 I	32	Agropk-	
	(Seg) (R in 63)				
8/10	"				2136
8/10	"				2137
Progeny from Cuzco 23 US x Suriname (Var)					
from Bellaville K/14 haat					
I 276,858					2138
0A-1585					
					2139
Dima, ck					2140

Progeny of Siamese varieties x US. Varieties; from Beltsville

2141	K14 LAAT	PI 276,858 Pot-1585
2142		✓
2143	K14-VROEG 8/26	PI 276,859 Pot-1586
2144		✓
		T4/E
2145		✓
2146		✓
2147	K18 LAAT	PI 276,840 Pot 1587
2148		✓
		18/E

K14 LAAT
E 276,860
Pot-1587

2149

2150

K 18 VROEG
E 276,861
Pot-1588

2151

2152

19/c

2153

2154

K-22 LAAT
E 276,862
Pot-1589

2155

2156

2157 8/12 K 22 LAAT
PI 276,862
Pot-1589

2158 ✓

2159 8/I ✓

2160 Blt 50, ck
8/1

K 22, LAAT

2161 8/13 PI 276,862

K 25 LAAT

2162 8/29 PI 276,964
Pot-1591

2163 ✓

2164 ✓

13/I

K 25 · LAAT
I 276,864
Pot - 1591
8/19

2165

K 25 VROEG
I 276,865
Pot - 1592
8/16

2166

8/14

2167

8/16

2168

8/13

2169

23/F

K 26, LAAT
I 276,866
pot - 1593

2170

2171

2172

19/F

2173 K 26 LAAT PE 276,866 Pot-1593

2174 K 26 VROEG PE 276,867 Pot-1594

2175 ✓

2176 ✓

17/E

2177 ✓

2178 ✓

2179 ✓

2180 Reparo, ck.

13/E/0

K27 LAAT

E 276,868
pot-1595

2181

2182

2183

2184

T4/E

2185

2186

K29 LAAT

PE 276,870
pot-1597
8/24

2187

2188

2189	8/26	K29 LAAT	PI 276,870 pot-1597
2190			✓
2191			✓
2192			✓
2193	8/27	K29 VRDEG	PI 276,871 pot-1598
2194	8/27		✓
2195	8/27		✓
2196	8/27		✓

Pair — 14/I

Pair — 16/I

K 29. VROEG

E 276,891
pol-1598
9/27

9/26

9/28

Dima, ck
9-30

2197

2198

2199

2200

K31 LAAT

2201 8/w PE 276,872 Pot-1599

2202 8-19 ✓

5.0 I/0

2203 8-18 ✓

2204 8-18 ✓

2205 8-18 ✓

2206 8/14 ✓

K31 VROEG

2207 PE 276873 pot-1600

2208 ✓

K 31 VROEG

PI 276,873
Pot-1600

2209

2210

20 ft

2211

2212

K 37 LAAT

PI 276,874
Pot-1601

2213

8/27

2214

2215

2216

2217 8/23 K37 LAAT
PI 276,874
Pot-1601

2218
—✓
✓

9/I
2219 8/30 K37 VROEG
PI 276,875
Pot-1602

2220 Bluebonnet 50, ch.
8/3
✓

18/I/
2221 9/1 K37 VROEG
PI 276,875
Pot-1602
—✓

19/I
2222 9/1
✓

Sep., eff., & smut.
I-Tall to V. tall.

2223 K47 LAAT
PI 276,876
Pot-1603

2224
✓
—

V. late, not in
head on 10/3
narrow leaf. Upright
tillering. Med.

K47 LAAT
PE 276,876
pot-1603

2225

K47 VROEG
PE 276,877
pot-1604

2226

10/1/10

2227

2228

2229

2230

2231

K55 LAAT
PE 276,878
pot-1605

2232

2233	K55	KAAT	PI 276,878 Pot-1605
2234			✓
2235	K55	VROEG	PI 276,879 Pot-1606
2236			✓
2237			✓
2238			✓
2239			✓
2240	Pesaro, ck.		

Hv

15/F

K55 VROEG
PI 276,879
Pot-1606

2241

K59 HAAT
PI 276,880
Pot-1607
10-1

15/E

2242

2243

2244

2245

K59 VROEG
E 276,881
Pot-1608
8/27

2246

2247

19/E

2248

2249 8/27 K59 VROEG PE 276,881 Pot-1608

2250

2251 ~~K61 LAAT~~

2252 8/12S K61 LAAT PE 276,882 Pot-1609 6/I

2253

2254 8/19 K72 LAAT or K61 VROEG PE 276,883 or PE 276,888 (Pot 1621) T3/I

2255

2256

K65 LAAT

E 276,884
Pot-1610
8-17

2257

2258

2259

10 ft

lina. ck

2260

K65 VROEG

PI 276,885
pot 1611
10-7

2261

2262

K68 LAAT

PI 276,886
Pot-1612
8-19

2263

2264

2265 K68 LAAT PI 276,886 Pot-1612

2266

2267

2268

2269 K68 VROEG PI 276,887 Pot-1613

2270

2271

2272

K68 VROEG
PI 276,887
Pot-1613
8/26

2273

2274

K72 LAAT or K61 VROEG
PI 276,888
or PI 276,883
(Pot 1622)
8/20

2275

2276

24/I

2277

K72 VROEG
PI 276,889
Pot-1614
8/22 S

2278

2279

Bluebonnet 50, ck
8/1

2280

2281 K 72 VROEG 8/20 S — PI 276,889 Pot-1614

2282 ✓

2283 (nearly Latin here) ✓

2284 ✓

10/I

2285 ✓

2286 ✓

2287 PI 276,890 Pot-1615

2288 ✓ Not shown on Addip List

NOT SHOWN ON ADAIR LIST.

PI 276,890
Pot #1615

2289

✓

2290

✓ Pam

Tall, M-leaf, M-mid-leaf.

19 #

✓

2291

✓

2292

K 76 ✓ROEG ?

P.I. 276,891
pot #1616
?

late wh
2292✓

2293

✓

8/10

2294

✓

2295

✓

2296

2297	8/10 K76 VROEG			PI 276,891 Pot#161	
2298 [illegible]	I. B. Mn. lay. weak stem				✓
			12		
2299					✓
2300 HV	Revoro. ck.				
			14/I		

~~II~~ K76 LAAT

PI 276,892
Pot-1617.
7/20

2301

✓ 2302

✓ 2303

✓ 2304

✓ Pan

14/I

✓ 2305

✓ 2306

✓ 2307

✓ 2308

Some very promising plants present.

F. + h8, / Broad leaf / long mid. gr. / early.

2309 K76 LAAT PI 276,892
Pot-1617

2310

2311 K81 VROEG PI 276,893
Pot-1618

2312

12 I

2313

2314

2315

2316

K82, LAAT
PE 276,894
Pot-1619.
8/2

2317

2318

13 F

2319

Duma. ck

2320

K82 LAAT
PE 276,894
Pot-1619
8/4

2321

2322

15 F

2323

K82 VROEG
PE 276,895
Pot-1620

2324

	1S4H	Full Ripe AGropit	Str. Hd / HB	Iod/acid 62/63	Biuret 62/63
	K82 amylose V ROEG				
2325	9-30				PF 276,878 Pot-1620
2326					
2327				23 L	
2328					
2329					
2330	BS84A2-54-4-2, BB1S0 x Jojutla				3106
		+340 33.2 (S)		17	27
2331					
2332					

	Str. Hyl / HB	Iod/alk 62/63	Biurat 62/63	
AGroPH / Amylose				
B584A2-63-1-1,			BBT50 x Jojutla	2333
3110				
+400 +420 32.6 33.9	(MR)	(20)		
11	-2			2334
				SNP
11	-3			2335
B584A2-63-1-2,				
112				2336
(+400) +420 (32.6 33.9)	(MS)	19	20	
11	-4			2337
				SNP
11				2338
B584A2-63-1-4,				
2115				2339
(+400) +420 (32.6 33.9)	(55)	19	20	
Jojutla, ck.				2340

		Agraph / Amylose	Str. Hd / HB	Iod / Alk 62 / 63	Biurat 62 / 63
2341	B584A2-63-1-4,			BB450 x	Jojutla 3115
2342					↓
		(+440 +420) / (32.6 33.9)	(≤1)	19	20
2343	B584A2-63-3-1,				3118
		(+390 +400) / (31.6 35.2)	(MR)	(22)	
2344					↓
2345					↓
2346	B584A2-63-3-1		BK-1		3121
		+390 +400 / 31.6 35.2	MR (O)(R) R	23 I	
2347					↓
2348					↓

	AGRAPH / AMYLOSE	Str. Hd / HB	Iod/alk 62/63	Biuret 62/63	
B584A2-63-3-1 BX-2					2349
122 10/1	+390 +400 31.6 35.2 11	2 (Sg)	(24)		
					2350
	11				2351
B584A2-63-3-2, 124					2352
	+390 +400 31.6 35.2 11	(MR)	23	20	
					2353
	11				2354
B584A2-63-4-1, 128					2355
	(+380) +520 32.0 (35.6) 11	(S)	14		
					2356

	AGRAPH / Amylose	Str. Hd / HB	Iod / AHK 62 / 63	Biuret 62 / 63
2357	B584A2-63-4-1,	BB	50 x Jo	Jutla 3128
	(+380) (+500) / 32.0 (35.6)	(S)	14	
2358	B584A2-63-4-2,			3131
	(+480) (+500) / 32.0 (35.6)	(S)	19	
2359	"			✓
2360	Bluebonnet 50, ck. 1/26			
2361	B584A2-63-4-2,			3131
	(+480) (+500) / 32.0 (35.6)	(S)	19	
2362	B584A2-63-4-2,			3137
	+480 +500 / 32.0 (35.6)	(S)	23	23
2363	"			✓
2364	"			✓

	AGRAPH Amylose	Str. Hd. / HB	Iod/Alk 62 / 63	Biuret 62 / 63	
B584A2-67-3-1, 3142 4/15 Sy. mat			BB150 × Jojutla		2365
	(+150) / (300) 11	(015)	18		
✓					2366
✓ Sy. mat.	11				2367
B584A2-63-3-1, 2627 7/10 S					2368
	+360 / 34.0 11	(5)	24	19	
✓ Light Growth, Color, Internodes, Tillers, and Tall					2369
✓	11				2370
B584A2-63-3-1, 3264					2371
	(+360) / (34.0) 11	(5)	(25)		
✓ Tall, Heavy Leaf					2372

	AGRAPH / AMYLOSE	Str. Hd. / HB	Iod/Brk 62 / 63	Biuret 62 / 63
2373	B584A2-63-3-1, BB150 x Jojutla			3264
	(+360) / (34.0)	(5)	(25)	
2374	B584A2-63-3-1			3265
	+400 / 35.2	(5)	(22)	
2375	〃			〃
2376	B584A2-63-3-1			3266
	(+400) / (35.2)	(5)	19	
2377	〃			〃
2378	〃 Earliest of the three rows! Too Tall, drop-leaf			〃
2379	Bs-82A1-30-1-2BK, (P23) x Jojutla 9/27			3301
	(-80) / (28.6)	(1)	23	
2380	Jojutla, ck.			

	Blast R-1 / R-6	AGRAD2 / Amylase	Str. Hd / HB	Iod 62 / Ark 63	Biurat 62 / 63	
B582A1-30-1-2BK , CP231 × Jasatla						
3301 8/27						2381
✓	"					2382
		-80 / 28.6	W	33		
B582A1-40-3-2,						
3313 9/3						2383
		+360 / 35.6		18	24	
✓	"					2384
						Ag
✓	"					2385
B 5813A12-5-2-2 PI215,936 × Lacrosse						
7071 8/10						2386
			(R) / 1(R)	25		
✓	"		-2			2387
						Ag
✓	"		-3			2388

		Str. Hd / HB	Jad / 62 / 63	Binod / 62 / 63
2389	B561A1-20-3-1, Irrad, CP231(DW) x Rex. 7777	(S)	18(I)	
2390	〃			
2391	〃			
2392	B561A1-20-3-1, 7782	(S)	19	
2393	〃			
2394	〃			
2395	B569A2-3-1-1, Irrad CP231(DW) x T. Patna 7846		21	
2396				

	str. std / HB	Iod/alk 62/63	Biuret 62/63	
B569A2-3-1-1, 7846 9/26	Irrad (P23)(DW) x T. Patna			2397 HW Patna
		21		
B569A2-3-1-2, 7848				2398
		24		
				2399 HW Patna
Rexoro, ok.				2400

		Str. Hd / HB	Iod/Alk 62 / 63	Biuret 62 / 63	
2401	B569A2-3-1-2, 8/24	Irrad. C	Pa31(DW)	x T. Patna	7846
			24		
2402	B569A2-12-2-2,				7851
			11		
2403	"				↓
	Pair ↘				
2404	"				↓
2405	B569A2-12-2-2 8/31				7855
	Pair ↘	(S³)	13		
2406	8/31 "				↓
2407	8/31 "				↓
2408	B569A2-12-3-1, 8/24				7857
		(S³)	16		

		Str. Hd / HB	Iod/Alk 62/63	
B569A2-12-3-1, Irrad (P231(Dn) x T. Patna				
7857 8/21		(S?)	16	2409 Pa
✓	"	(S?)	16	2410
7859	"		14	2411
✓	"			2412
✓	"			2413
B561A3-30-3-3, Irrad (P231 x Rex.				
9051 9/12		(MS)(S)	17/14 I	2414 Hr S.N.P.
✓		"	16 I	2415 Pa Hr
✓		"	14 I	2416

normal type

Exceptionally good & [illegible]

Rex grain type, color, & group V

Typical Rex appearance

		str. ht / XB	Iod / Alk 62/63		
2417 Par	PI 273 469 NORIN #22 7-13 S some V leaves	Tr	9 (L)	(Jap)	8733
2418	" 7-13				✓
2419 Par Dr SNP	" 7-17 all 7 1 mat		29 L		✓
2420	CP 231, ck. 7/25				
2421	PI 273 470 UP-15 Strain 119 7-12	Rp	(Jap) 60 (L)		8734
2422	" 7-12				✓
2423 Par Dr	" 7-12		30 L		✓
2424	PI 224 839, Kanto 7-9	3	51 (Jap) 40 (L)		8735

ME/mw/aw/I

Iod/Alk
62/63

PI 224839, Kanto-S1 (Jap)
8735 3
7-9
2425
Pan
Hr

24 A

" 2426
7-9+

Velvet lf, veiny

40 (L)

PI 223,737, Pi-1 (Jap)
8737 2427
7/28

R,O (L)

" 2428
Panc
Hr

24 L

" 2429

v good upright
v narrow lf

PT. 223 738, Pi-2 (Jap)
8738 8/2 2430

R,O 33 (L)

" 2431
Panc
Hr

24 L

" 2432

Iod/HK
62/63

2433 PI 275423, Chia-NUNG 242 (Taiwan) 8740
7/21
Pan
Hr
R,3 23 (L) 27 L

2434 ✓
Hr

2435 ✓

E-/I+/MM/T
rather long lf. med tall
sterile tip panicle
Rather tall, long leaves
"
"
many blighted panicles

2436 PI 275424, Chia-nung-yu-280 (Taiwan) 8742
7/25
Bulk
R, 3 53 (L) Red

2437 " ✓
Pan
Hr
42 L

2438 " ✓

MS/I+/MM/MS
short lvs/ v. willowy

2439 HsINCHu -56 (Taiwan) 8744
7/27
Tn 29 (L)

2440 Nato, ck.
7-18

Iod/AIR
62/63

PI 275.425, Hsinchu.-56 (Taiwan)
8744 7/27
2441
23 L
"
2442
ME/D/MW/I-

PI 275426, Kaohsiung - 68 (Taiwan)
8747 7/27
2443
R,I 55 (L)
"
2444
26 L
2445
ME/D/I-/MT
V.blurry, rather nondescript crystalline particles

PI. 275 427, Kaohsiung, Line 122 (Taiwan
8749 7/25
2446
R,O 24 (L)
"
2447
32 L
"
2448
ME/D/MW/T+
Rather full, v. long

Iod/Alk
62/63

2449 PI 275428, Taichung 65 (Taiwan
8752

R,2 18 (L)

2450 " ✓

Par

21 L

2451 " ✓

ME/D/MN/ I+
yellowing, med ht, med short
par

2452 PI 275429, Taichung - 176 (Taiwan)
8754
7/25

S,5 48 (L)

2453 " ✓

Par

35 L

2454 " ✓

ME/D/MN/I-
Short par, med short ht, good
show, = Ivory

2455 P.I. 275, 430, Taichung-178 (Taiwan
8756
7/15

R,1 37 (L)

2456 "

Par

37 L

few sterile par
Too yellowing

ME/D-~~L~~/MN/I-

10d/A1K
62/63

PI 275430, Taichung-178 (Taiwan)
8256
7/15

2457

R, 1 37(L)

PI 275,432, Taichung 181 (Taiwan)
8257 8/1

2458

ME/XI/MN/I+

Short pan, V poor yield.

R, 1 25(L)

2459
P
H

20 L

Blt 50, ck.
7/28

2460

PI 275,432, Taichung-181
8257 8/1
R, 1

2461

PI 275,434, Taichung 183 (Taiwan)
8258 7/19

2462

R, 0 22(L)
11

ME/D/N/I+

v uniform & v long
med ht

2463
P
H

19 L

91

2464

Iod/Alk (Tawan)
62/63

2465 PI 275,435, Taichung Line - 48212
7/21 8761
ME/D/MN/I+
like 2463
R,0 30(L)
2466 " ✓
23 L
2467 " ✓

2468 P.I. 275,436, Taichung Line - 47220
7/21 8764
ME/D/MN+/I+
[illegible], like 2463
Tn 24(L)
2469 " ✓
20 L
2470 " ✓

2471 P.I. 275,437, Tsai-yuan-thon (Taiwa
7/21 876
MS/ML/MN/VT
Red Rice appearance
Tall, V [illegible]
5,5 12(L)
2472 " ✓
9 L

Tod/SHK
62/63

PI 275 437, Tsai-yuan-thon (Taiwan)
8767 2473

5,5 12(L)

PI 226154, Aichi-Asahi (Japan)
8777 7/24 2474

R,0 30(L)

" 2475

23 L

" 2476

PI 224,862, Norin #20 (Japan)
8778 6/14 2477

54 L

" 2478

6/14

" 2479

6/14

7/20 CP 231, ck 2480

			Iod/Atk 62/63		
2481	PI 224 862, 6/13	Norin	#20	(Japan)	8778
2482	6/13 "	Bulk Hv			✓
2483	6/13 "				✓
2484	PI 223 738,	Pi-2		(Japan)	8809
		R,0	29		
2485 L	E/D-/N/S/ Short pan, shortlet jagg; good straw "				✓
			25 L		
2486	"				✓
2487	PI 274 214, 7/25	Pi-4		(Japan)	8810
		R,0	32		
2488 2 Pan	ME/MD/N/T- "				✓
			26 L		

Iod/AIK
62/63

PI 274 214, Pi-4 (Japan) 2489
8810 7/25

R, 0 32

See Row 3587 → 3558 for other PI 275, 421, BIR-ME-FEK)
PI 275,424, Chia-Nung-94 280 (Taiwan) 2490
812) 7/21
Buck

V-F
SNF

R2

"

2491
Par

MS/E-ML/MN/I ✓

Very short, v good stiff
V heavy, awn & V. heat compar
with PI 215,936 in the N trial.
Probably better due to short ht
and lengthening [illegible]

40 L

"

2492

PI 275,425, Hsinchu-56 (Taiwan) 2493
8141 1/20

R,0 21 (L)

"

2494
Par

E/D/N-MN/MS ✓
Rather tall,

23 L

"

2495

P.I. 275 429, Taichung-176 (Taiwan) 2496
8818 7/21

S4 42 (L)

Zod/A14
62/63

2497 P.I. 275 429, Taichung-176 (Taiwan) 8818

2498 11 35

2499 42 (W.)
P.I. 269,938, Girba Jowar #538 (W. Pakistan) 8829

2500 Bluebonnet 50, ck

Iod/Alk
62/63

P.I. 269938, Girba Jowal # 538 (W. Pakis

8829 late

2501

Bull

Tall bearded

28 I

"

✓ 8/1

2502

6,5

PI 269 939, Kamodi #5 42 (W. Pakist) 2503

8830 8/4

Bull

R,2 29(I) 26 I

"

✓

2504

Tall bearded

"

✓

2505

PI 271,287, (Guatemala)

8832 7/20

2506

3 12(I) 13 I

"

✓

2507

Bull

✓

2508

[illegible] type

Large [illegible]

Iod/Alk 62/63

2509 P.I. 271 672, Taichung Native #1, Tawa
7/22 8834

R,0 25(L)/18 L

2510 " ✓

2511 " ✓

BK

NJ

2512 " ✓

E/I/I/S

2513 " ✓

2514 " ✓

2515 PI 275 765, Pan Bira (E. Pakistan)
7-16 8835
Bulk

R,2

2516 " 7-16 ✓

Pan

Tall, [illegible]

8 I

Jod/Mk
62/63

PI 275 765, Pan Bira (E. Pakistan) 2517
8835 7/16
Buck

R,2
PI 276154, SML - 242 (Surinam) 2518
8837
Buck

R,1 27(4)
" 2519
E/D/I-/I+

Nate. ck 2520
7/20

PI 276,154, SML-242 (Surinam) 2521
8837
Buck

R,1 27(4)
C.I 9249 2522
8845
7/21

20/23 I
" 2523

" 2524

			Tod/Blk 62/63		
2525 Bulk	8/2 Tall Japonica		27/27	L	9453 Bulk
2526	"				✓
2527	"				✓
	OS-6 (Congo)				
2528 Hw	7/ Smooth, straw, mid Tall broad leaf, erect flag	3	17 (4x4 I) 14	I	9455
2529 Hw	"				✓
2530 Hw					✓
	OS-12 (Congo)				
2531 Hw	7/27 Smooth gold, Tall	5	13 (4x4 I) 11	I	945
2532 Hw	"				✓

Iod/Alk
62/63

OS-12 (Congo) 2533
457 7/22
Hv

13 $\left(\frac{4\times4}{I}\right)$
5

OS-19 (Congo) 2534
461 7/20
Shortpan present
Hv

17 $\left(\frac{1-2\times1}{\frac{5-4\times4}{I}}\right)$
3 11 I

" 2535
✓
Hv

" 2536
✓
Dwarf type, short ht
dwarfed Pan., grain of normal size
Par
Hv

OS-24 (Congo) 2537
462 7/25
Hv

63 $\left(\frac{2-4\times3}{4-4\times4}\right)$
4 I 6 I

" 2538
✓
Hv

" 2539
✓
Tally & Cole
Hv

CP 231, ck. 2540
7/23

Iod/AlK
62/63

OS-24, (Congo)

2541 Ur — 7/26 — 9462

4 / 12 I

2542 Ur — "

2543 Ur — Pan — "

63 (2-4x3 / 4-4x4) I

OS-57 (Congo)

2544 Ur — 7/19 — 9465

5 (I) / 10 I

2545 Ur — "

2546 Ur — "

OS-58 (Congo)

2547 Ur — 9464

14 (4x4) I / 5 / 10 I

2548 Ur — "

Iod/Blk
62/63

OS-58 (Congo)
9466 1/19

5 — 14 (4x4) I

OS-59 (Congo)
9468 1/19

3 — 12 (4x4) I — 10 I

"

"

OS-77 (Congo)
9471 1/22

2 — 26 I

"

"

Norin #8, (Japan)
9482 1/22

R,O — 42 (7x6) L — 24

2549 Lw

2550 Hw

2551 Lw

2552 Lw

2553 Hw

2554 Lw

2555 Lw

2556

2557	Norin #8 7/22	(Japan)	Iod/HK 62/63	9482
2558	"		43	✓
2559	Norin #10 7/18	(Japan)	42 (7x6) 4 R.0	9484
			45 (6x6) 4 R.2 25	
2560	But 50, ck. 9/1			
2561	Norin #10 7/18	(Japan)		9484
2562	Norin #10,	(Japan)	R.2	✓
2563	Norin #14, 7/5	(Japan)		9501
	Later than 2564/65		41 (6x6) 4 R.0 26	
2564	"			✓

Iod/Bliss
62/63

Norin #14, (Japan)
9501
7/15

41 (6x6) 4
R,0

2565

Norin #17 (Japan)
9503
7/11

55 (6x6) 4
R,0 29

2566

7-11

2567

7-11

2568

Norin #22, (Japan)
9505 7/29

37 (2x6) 4
R,0 22

2569

7/25

2570

7/25

2571

Benisengoku (Japan)
9507
7/29

46 (6x6) 4
R,1 22

2572

		Ind/Alk 62/63		
2573	Benisengoku (Japan) 9/29	R, 1 — 6x6 (6x6) L		9507
2574	"			✓
2575	Salt Rice (Japan) 8/13	R, Tn — 18 (7x6) L / 16		9513
2576 Pan	Tall mid erect v dark green v tall so pop, v sturdy stems for Jap., semi-erect Pan. "			✓
2577	"			✓
2578	PI 238114, T1-47 (Japan)		Beltsville Entry No. 301	
2579				✓
2580				✓

Beltsville
Entry No.

type 8/9 Nato. ck 2581

PI 245077, Nanton No. 188 (So. Pacific)
302 2582

✓ 2583

✓ 2584

PI 245078, Nanton No. 198 (So. Pacific)
303 2585

✓ 2586

✓ 2587

PI 245081, Nanton No. 215 (So. Pacific)
304 2588

Belts with Entry No.

2589 PE 245081, Nanton No 25 (Gt. Pacific) 304

2590 ✓

PE 269937, Bara-Wali Jo. No. 536 (W. Pakistan) 305

2591 7-15

AN

8

2592 7-15 ✓

2593 7-15 ✓

PE 269940, Miragram (W. Paskistan) 306

2594 6/16

2595 6/16 ✓

AN.

2596 6/16 ✓

PI 274739, Azucena (Philippines) 2597

307 7/28

12

✓ v tall erect growth

✓ good straw

Reed

2598

I

2599

CP 231. ck. 2600

W.C. Entry

2601 PI 274740, Dinalaga (Philipp.) 308
prob. Pan
1 plant
erect growth, wide lf. lobes

2602 PI 274741, FB-76 (Philippines) 309

2603

2604

2605 PI 275421, Bir-me-lon (Taiwan) 310
7-16
T4

2606 7-10

2607 7-10

2608 PI 275422, C 113 (Taiwan) 311
7-18

I.C. ...try*

311 PI 275422, C 113 (Taiwan) 2609

2610

312 PI 275428, Taichung 65 (Taiwan) 2611

18

2612

2613

313 PI 275431, Taichung 179 (Taiwan) 2614

33

2615

2616

PI 275433, Taichung 182 Taiwan
2617 314

18

2618 ✓

2619 ✓

Tall [illegible] plant for
Ripe 8/28

2620 Bbt 50, ck
8/
Ripe 8/29

16

PI 275438, Leuang 28-1-8 (Thailand,
2621 315
Not head 10-4

PI 275439, Leuang Aun 23 (Thailand,
2622 316
Not headed 10/4
E/MD/MH/T

2623 ✓

PI 275440, Leuang Yai 34 (Thailand,
2624 317
not headed 10-4

PI 275543, Vary Lava 1303 (Italy)
318 2625
Headed in Sept.
ME/D/M/T

PI 276765, Marouva (Congo)
319 2626
not headed/10-4
E/D/M/7

PI 276766, Neang-Veng (Congo)
320 2627
Not headed 10-X
ME/L/MN/T

✓ 2628

PI 279979, Italpatna 640 (Italy)
321 7/10 2629
18

✓ 7/10 2630

✓ 7-10 2631

[illegible], bold grain
Bulky

PI 277219, Chia-nung Yu 280 (Taiwan)
322 7/12 2632
Hv

41 Red
Reserve 60 Red

2633 PI 277219 7/22, Chia-mung Yu 280 (Taiwan) 322

2634 ↓ ↓

PI 277220, Hsiao Dan-Sen (Taiwan)
2635 7-15 323

2636 7-15 ↓

9

2637 7-15 ↓

PI 277222, Hsinchu 58 (Taiwan) 324
2638 7/23

28

2639 ↓

2640 ↓

Nata; check 2641
7-18

Ripe 8/13

PI 277226, Kaohsiung 27 (Taiwan)
325 7/26 2642

27

2643

2644

PI 277227, Kaohsiung 41 (Taiwan)
326 7/21 2645

33

2646

2647

PI 277228, Kaohsiung 45 (Taiwan)
327 7/24 2648

31

PI 277228, Kaohsuing 45 (Taiwan)

2649 327

2650 ✓

PI 277229, Kaohsuing 68 (Taiwan)

2651 328

28

2652 ✓

2653 ✓

PI 277230, Kwan-fu 401 (Taiwan)

2654 329

24

2655 ✓

2656 ✓

PI 277231
7/19 , Liu-ton-tze (Taiwan)
330
looks like Taich #1. but
more dead leaves, v short ht
2657
HV

PI 277232, Nung Yu 1804 12 (Taiwan)
331 7/21
2658

34
✓
2659
Hv

✓ Short pan, med ht.
sl willowy
2660

CP 231, ck
1/23
2661

PI 277233. Nung Yu 1805 (Taiwan)
332 7/20
2662

32
✓
2663
Hv

✓ willowy pap, med ht
2664

2665	PI 277234, 7-13	Sun-lee Sew		(Taiwan) 333
2666	7-13			
2667	7-13			
2668	PI 277235, 7-17	Taichung 122		(Taiwan) 334
2669	7-17			
2670	7-17			
2671	PI 277237 7/20	, Taichung 153		(Taiwan) 335
2672				

PI 277237, Taichung 153 (Taiwan)
335
2673

PI 277239, Taichung 160 (Taiwan)
336 7-16
2674

✓ 7-16
2675

Hu

32

✓ 7-16
2676

Mat. el. V uniform, only few bulbs

PI 277245, Taichung Pai-co (Taiwan)
337 7-14
2677

5

Hu

✓ 7-14
2678

✓ 7-14
2679

Tall, wk indica

Bulhay

Bbt 50, Ck.
7/28
2680

2681	PI 277251 7-17	Taipei Woo-co	(Taiwan) 338
2682	7-17		"
2683	7-17		"
2684	PI 277256	Ajaa (M2)	(Zanganyika) 339
2685			"
2686			"
2687	PI 277257	Ajaa Nyanza	(Kenya) 340
2688			"

PI 277257, Ufaa (Nyanza) (Kenya)
340 2689

PI 277258, Jaya (Kenya)
341 2690

✓ 2691

✓ 2692

PI 277259, Ganti (Tanganyika)
342 2693

✓ 2694

✓ 2695

PI 277260, MBRI (Kenya)
343 2696

2697 PI 277260, MBRI (Kenya) 343

2698 ✓

2699

2700 Nato, ck

PI 271093 (Panama)
44 2701

PI 277261, Magazija (Zanzibar)
45 2702

✓ 2703

✓ 2704

PI 277262, Sc. 70 (Tanganika
46 2705

✓ 2706

✓ 2707

PI 277406, Doraduni Sarda (Afghanistan)
47 7/24 2708
AT

PI 277406, Daradum Sarda Afghanistan
2709 7/26 347

2710 ✓

PI 277407, Dondui Kunduz Afghan
2711 7/29 348

34

2712 ✓

2713 ✓

PI 277408, Kala Khosha Kundry Afghan
2714 7/31 349

20

2715 ✓

2716 ✓

RE 277409, Khoshen Cherniti (Afghan)
350 7-18 2717

5

7-18 2718

7-18 2719

P 231, Check 2720
7/23

RE 277410, Lawongi Safai (Afghanistan
351 7/25 2721

35

2722

RE 277411, Longi Kundry (Afghan)
352 7/27 2723

2724

30

2725 PI 277412, Monda Kundry (Afghan) 353 7/17

5

2726 ✓

2727 ✓

PI 277413, Narrow Column Kundry (Afghan) 354
2728 7/24

33

2729 ✓

2730 7-10 ✓

PI 277414, Red Khosha Cerna (Afghan) 355
2731 7/20

31

2732 7/10 ✓

PI 277414, Red Khosha Cerma (Afghan)
56 7/20 2733

PI 277415, Safut Khosa (Afghan)
56 7/17 2734

5

7-17 2735

7-17 2736

PI 277416, Safut Khosa Cerma (Afghan)
57 7-17 S 2737

20

7-17 S 2738

7-17 S 2739

Rt.-50, Chuck. 2740

2741 PI 277417, Shevkati Kundry (Afghan) 358
7-17

5

2742 7-17 ✓

2743 7-17 ✓

2744 PI 277418, Sook Khosha (Afghan) 359
7/29

5

2745 ✓

2746 ✓

2747 PI 279119, Ban-tein-tze (Taiwan) 360
7/25

17

2748 ✓

PI 279119, Ban-tein-tze (Taiwan)
360 7/25 2749

PI 279120, Bin-co (Taiwan)
361 2750

2751

2752

PI 279121, Bin-co-chin-yu (Taiwan)
362 8/11 2753

5

2754

2755

PI 279122, Bin-co-yuan-li (Taiwan)
363 2756

20

2757 PI 279122, Bir-co-yuan-li (Taiwan) 363

2758 ✓

2759 Reread, check

2760 PI 279123, Bir-gou-tze (Taiwan) 364

2761 13 ✓

2762 ✓

2763 PI 279124, Chu-tze (Taiwan) 365

2764 16 ✓

PI 279124, Chu-tze (Taiwan) 2765

PI 279125, Chia-nung Yu 439 (Taiwan) 2766
7-15

13

7-15 2767

7-15 2768

PI 279126, Chin-gou-tsun (Tai) 2769

2770

2771

PI 279127, Chuan-lu (Taiwan) 2772

2773 PI 279127, Chuan-lu (Taiwan 368

2774 ✓ ↓

2775 PI 279128, Chung-lin-chuan (Taiwan 369

2776 ✓ ↓

2777 ↓

2778 PI 279129, DAN-KWANG-KWA-100 (Taiwan) 370

2779 ↓

2780 ↓

nato, check
7-18

2781

PI 279131, Dee-geo-woo-ten (TAIWAN)
371 7/20

2782

9

Look like Taich. #1
Same ht. & mat. & good
appearance

2783

Buckly

2784

PI 279132, Geuze (Taiwan)
72

9-30

2785

14

HL

2786

2787

PI 279133, Hsinchu 4 (Taiwan)
73 7-17

2788

Buckly

45

PI 279133, Hsinchu 4 — Taiwan 373
2789 7-17
2790 7-17 ✓
ONE V.E. Plant (7-1)

PI 279134, Hsinchu 51 — Taiwan 374
2791 7/19
med ht, willow top
36
2792 Ht ✓
2793 ✓

PI 279135, Hsinchu 52 — Taiwan 375
2794 8/2
Tall pop, plant pan
fairly good show
30
2795 Ht ✓
2796 ✓

PI 279136.

76 7/18 Hainchu 54 (Taiwan) 2797

40

2798

Buckhull

2799

Century Patna 231 - check 2800

7/25

W.C. Entry

2801 PL 279137, Tsuichu 55 (Taiwan 377
7/31

29

2802 ↓

2803 ↓

2804 PL 279138, Hwa-lod (Taiwan 378
7-11

17

2805 7-11 ↓

2806 7-11 ↓

2807 PL 279139, T-kung-pao (Taiwan 379
7-11

16

2808 7-11 ↓

PI 279139	T-kung-pao	(Taiwan)	
379 7-11			2809
PI 279140	Kao-gao Lui-chow	(Taiwan)	
380 7/16			2810
7-17			2811
			2812
PI 279141	Kaohsiung Za-li-chen-yu	(Taiwan)	
381 7/31			2813
			2814
			2815
PI 279142	Kaohsiung 18	(Taiwan)	
382 7/31			2816

2817	PI 279142, Kaohsiung 18	(Taiwan 382
2818	Sh	✓
2819	Blt 50, ck.	
2820	PI 279143, Kwai-tsan	(Taiwan 383
2821		✓
2822		✓
2823	PI 279144, Lin-sun-chin-tsan	(Taiwan 384
2824		✓

V tall jap's type
Sh.-med gr.:
med.-yellow

(except V short lt) extremely profuse tillering;
V narrow leaves

PI 279144, Lin-sun-chin-tsan (Taiwan)
384 2825

PI 279145, Lin-chow (Taiwan)
385 1/24 2826

16

2827
1/W

2828

PI 279146, Mun-tze (Taiwan)
386 2829

13

2830

2831

PI 279147, Mena-da-tsi (Taiwan)
387 2832

1

PE 2833	279147, Mena-don-tsi	(Taiwan 38
2834		"
PE 2835	279148, Mean-down	(Taiwan 38
2836		"
2837		"
PE 2838	279149, Niao-yao	(Taiwan 38
2839		"
2840	Reyoro, ck. 9/1	

PI 279150, Nung Yu 1830 (Taiwan) 2841
390 7/20

med-lit jap, uniform
fairly long

44

2842

2843

PI 279153, Taichung Pai-co (Taiwan) 2844
391 7-13

Tall, uniform, lodged

8

7-13 2845

7-13 2846

PI 279155, Taipei 301 (Taiwan) 2847
392 7/20

Tall + gap, uniform

25

2848

PI 279156, Tainan (upland) 1 — Taiwan 393

2849 — 7-9 — 12

2850 — 7-9 — ✓

2851 — 7-9 — ✓

PI 279157, Tainan (upland) 2 — Taiwan 394

2852 — 7-9 — 12

2853 — 7-9 — ✓

2854 — 7-9 — ✓

PI 279158, Tainan 2a-bis — Taiwan 39

2855 — 14

2856 — ✓

PI 279158, Dainan Da-Lin (Daiwan) 2857
395

PI 279159, Daipei Liu-tou-tze (Daiwan) 2858
396 7-16

14

7-16 2859

7-17 2860

Nato. ck. 2861
7/18

PI 279160, Daimung 38 2862
397 7/27

37

2863

2864

PI 279161, Zaitung (upland) 160 (Zaiwan
2865 7-16 39

33

2866 7-17

2867 7/17

PI 279162, Zaitung (upland) 286 (Zaiwan
2868 7/21 39

57 Rd

2869

PI 279163, Zaitung (upland) 314 (Zaiwan
2870 7/21 400

13

2871

PI 279165, Zaitung (upland) 382 (Zaiwan
2872 7/20 40

26

PI 279165, Laitung (upland) 382 (Taiwan)
401 7/20 2873

2874

PI 279166, Laitung (upland) Woo-Le (Taiwan)
402 7/18 2875

16

2876

2877

PI 279167, Laitung Woo-Laan (Taiwan)
403 7/18 2878

14

7-17 7-17 2879

7-17 7-17 2880

2881 Centurea Patna 33/, ck.
7/23

2882 PI 279168, Lien-lie (Taiwan 404
7-13

8

2883 7-13

2884 7-14

2885 PI 279169, Tsai-yuan-thon (Taiwan 405
7-12

9

2886 7-12

2887 7-12

2888 PI 279171, Woo-co-chin-yu (Taiwan 406
21

22

PI 279171, Woo-co-chin-yu (Taiwan)
406 2889

Tall, v. robustum
media, lodged

2890

PI 279172, Woo-gen (Taiwan)
407 7-17 2891

9

2892

Tall, vigorous stem

2893

PI 279173, Woo-li (Taiwan)
408 2894

2895

2896

2897	PI 279174. 7-9	Ya-lun		Caiman 409
2898	7-9		13	
2899	7-9			
2900	Bluebonnet 50, ck.			

PI 280097, BPI-76 (Philippines
410
2901

✓
2902

✓
2903

PI 281847, Malakit Sungsong (Philippines
411
2904

✓
2905

✓
2906

PI 279961, Allerio x Bagiung (Italy)
412 7-4 7-9
2907

Coarse gr. D Italy
Smooth, v early

Birchey
stiff straw

17 I/L

Bulky

✓ 7-4
2908

PE 279979, Malpatna 640 (Italy)
2909 7-12 413

28 L

2910 7-11 ✓

PE 280001, Stirpe 82 Chiapelli (Italy)
2911 7-7 414

76 H

2912 7-7 ✓

2913 7-7 ✓

Varieties from Adair W.C. Missima # C-5281 (Comintar)

2914 7-13

12 I

2915 7-13 ✓

2916 7-13 ✓

SNP

Also nom. on 5582 to 5603

W. C. minima #

C-5281
7-13

2917

SNIP

12 I

7-13

2918

7/13

2919

1/4

Nato, check

2920

7/17

THAILAND (upland)

C-5560
(WAXY)

2921

25 Red I/C

2922

2923

2924

2925	8/2		(Thailand)	W.C. Maxima Upland C-556 (WAXY)	
2926				✓	
2927	8/1		(Thailand)	C-5561 (WAXY)	
2928				✓	
				21 Red ←	
2929				✓	
	Lh				
2930				✓	
2931				✓	
2932				✓	

V till & the others

– ad R to C D √ Ho

W.C.
Mrisima #
C-5565
(WAXY) 0/1
(Thailand) 2933

✓ 2934

✓ 2935

19 Red ∠

✓ 2936

✓ 2937

✓ 2938

✓ 2939

√ tall like others

Bluebonnet 50, ck. 2940

2941 7/30

2942

2943

2944

2945

2946

2947 7/30

2948

W.C
Yaccina
(Thailand)
C-556
(WAXY)
24 Red L

(Thailand)
C-556
(WAXY)

all RT AD JCD

W.C.
Masima #

C-5568
7/30
(WAXL)

(Thailand)

2949

39 Red L

2950

2951

17 17

2952

Like 2954 [illegible]

C-5569
8/
(WAXY)

(Thailand)

2953

2954

50 Red L

2955

2956

		Blast R-1/R-6	Str. Hd/HB	Iod/Alk 62/63	Biuret 62/63
2957 Pr	V tall, V wide lf. V sturdy short erect panic., no CO		(Thailand)		C-556 (WAXY)
2958 Pr					✓
2959					✓
2960	Nato, check 7/17				
2961 ✓ Pam Pr ~~SNP~~	B589A2-4-1-2,1 BB+50/2 x Gulfrose 3373 E 7/28	(S)/(R)	(MR)/(R) R	23-(I)	30
2962	short but, V sturdy excellent plant type sturdier than Nato, & not as tall. "		-2		✓ E
2963 ✓ Pam	"		-3		✓ E
2964 ✓ Pam	8/8 " ↑ all		-4		✓

	Blast R-1/R-6	Str. Hd./HB	Iod/Alk 62/63	Biuret 62/63		
B589A2-4-1-2,-6 BB+50/2 × Gulfrose 3373 7/21S	(S)/(R)	(MR)/Ⓡ	23-I/	30/		2965
✓ 8/6 [illegible]	"	-6				2966
B589A3-69-1-1, 3463 7/19		(MR)(R)/(Sag)" R	30 I/H?/			2967
✓	"					2968
✓	"					2969
✓	"					2970
B589A18-12-2,-1 3572 7-16		(R)/Ⓡ(R!) R	63(H)/	36/	✓	2971 Pa
✓ 7-16	" Uptime V. clean M.Sgt.	-2			✓	2972 Pa

		Str. Hd / HB	Iod / Alk 62 / 63	Biuret 62 / 63
2973 Pa ✓	B589A18-12-2-1,3 BB450/2 x Galfrose 7-16	(R) / (R)(R²)	63(L) /	3572 36 /
2974 Pa ✓	B589A18-12-2BK-1-1 7-17	(R) / (R)(2) R	63 L /	3573 /
2975 Pa ✓	" 7-17	-2		✓
2976 Pa ✓	" 7-16	-3		✓
2977 Pa ✓	B589A18-12-2BK-2-1 7-17	(R) / (R)(R)	60(L) /	3576 /
2978 Pa ✓	" 7-17	-2		✓
2979 Pa ✓	" 7-17	-3		✓
2980	Belle Patna, ck. 7-7			

similar to C.I. 9562, except possibly a better med-gr. (watch)

med short ht. V good rows S to C D

V. clean tipturn M.Lgt.

V. clean tipturn, M.Lgt. good shape

	Blast R-1/R-6	Str. Hd / HB	Iod/Alk 62/63	Biuret 62/63	
B589A 19-36-4-5, 3706 7/18			BBl 50/2 x 6u	frose	2981
		R/R	24/1		
	"				2982
	"				2983
B589A3-35-3-4BK-2, 1032 7-16					2984
		VS/R (4031) R:(MR) R:0	(In4)		
7-16	"				2985
7-16	"				2986
B589A3-55-1-2, 1942 7/22					2987
			32(I)		
7/19	"				2988

			Iod/Alk 62/63	Biuret 62/63	
2989	B589A3-55-1-2, BB+50/2 x Gulfrose 7/21		32(I)		8942
2990	B589A3-55-2-4; " 7/19		19(I)		8944
2991 ✓ Pam	"	-2			✓
2992	" Px CO	-3			✓
2993	B589A3-86-3-3; " 7/18		14(I)		8949
2994 ✓ Pam	" good	-2			✓
2995	" Px CO V [illegible] for	-3			✓
2996 SNP	2 1/8		17(I) 16 I		9607

str. Hd / H.B.   Iod/Alk 62/63

B5 89A 4-18 -6P   BBt 50/2 × Gulfrose   2997

9607

✓

V large, good stem
med tall, V good
BBt to Belle type
Ripe 9/1. V large
later than BBt, V good
long [illegible] shape, smooth
Rt C D

17 (I)

2998

B5 93A 9-2-1-1 Belle × [(CP 23 1/3 × BBt) 2/2] × PI 215 936   2999

645 2) 6-30

(R) / (2) S   16 (4/I)

Belle Patna, ck.   3000

7-7

		Str. Hd / HB	Iod / AHK 62 / 63	Biuret 62 / 63	
3001	B593A9-2-1-2, Belle × [(CP33/3) × BB1] // 1/2 × PI 215 9 7-1				6452
		(R) / (2) S	16 (4/I)		
3002	-3 7-1				✓
3003	B593A9-5-2-1, 7-7				6459
		(R) / (1)	18 (4/I)		
3004	-2, 7-7				✓
3005	-3, 7-7				✓
3006	B593A9-12-5-1, 7-8				6483
		(R)	18 (I)		
3007	-2, 7-8				✓
3008	-3, 7-8				✓

		Std. Hd / HB	Iod/Blk 62/63	Biurat 62/63	
B593A9-16-3-1, Belle x [(CR231/3 x BB7) / 2/3 x PI215936]					
6503	6-30				3009
		(R)	(14/I)		
		-2,			
✓	6-30				3010
		-3,			
✓	6-30				3011
B593A9-18-1-1,					
6510	7-2				3012
		(R)	18/I		
		-2,			
✓	7-6				3013
		-3,			
✓	7-5				3014
B593A9-18-3-1,					
6512	7-6				3015
		(R)	(12-/I)		
		-2			
✓	7-5				3016

		Sta. Hdl / HB	Id / Ank 62 / 63	Biurat 62 / 63	
3017	B593A9-18-3-3, Belle 7-6		× [(P23)	/ 3 × BB4) / 3	× PE 65 12
		(R)	(12-I)		
3018	B593A9-20-2-1, 7-13.				65 17
3019	" -2. Belle Patna, ck. 7-13				✓
3020	Belle Patna, ck 7-6	5			
3021	B593A9-20-2-3, 7-14				65 17
		(R)	13 (Ind) Prob (I)		
3022	B593A9-20-3-1, 7-17				65 18
		(R)	(4/I)		
3023	" -2, 7-17				✓
3024	" -3, 7-17				✓

Str. Hd / H.B. | Iod / Alk 62/63 | Biuret 62/63

B593A10-3-2-1, Belle x [(CP231/3 x BBt)/2]3 x [I215.936]
5807-11 3025

26(I)? (all 2x1)

" -2, 3026
7-10 Rm

" -3, 3027
7-10

B593A10-8-1-1,
6542 7-10 3028

22(I)

" -2, 3029
~~6544~~
7-6

" -3, 3030
7-7

B593A10-8-3-1,
6544 3031
7-6

(I or H)? Prob (I) (2x1)

" -2, 3032
7-7

		Str. Hd / HB	Iod / Alk 62/63	Biuret 62/63	
3033	B593A10-8-3-3, Belle x [(P231/3 x BBt)/2] x PI 21593 7-6		(I or H)? (2x1) Prob (I)		6544
3034	B593A10-5-1-1, 7-5	(R)/(6)	15 (I)		6545
3035	" -2, 7-9				✓
3036	" -3, 7-5				✓
3037	B593A10-11-1-1, 7-10		12		6554
3038	" -2, 7-6				✓
3039	" -3 7-6				✓
3040	Belle Patna, ck. 7-6				

Str. Hd / HB   Iod/BLK 62/63

B593A 10-11-3-1, Belle x [(CP231/3 x BB4)/2] x PI 215,932]
6556
7-10   7-10
(18) / 11
3041

" -2,
✓7-10   7-10
3042

" -3,
✓7-8   7-8
xcellent Belle type row
/ 11 #
SNP
✓Pan
Dr ✓
3043

B593A 10-13-1-1,
6561
7-7   7-7
(R) / (2R)   ,6 (I)? / (all 2x1)?
3044

" -2,
✓7-9
3045

Taller than Belle, shatter maybe
are too tall, disc

-3,
✓7-8
3046

" -4,
✓7-8
3047

" -5,
✓7-8   7-8
3048

		Str. Hd / HB	Iod/Alk 62/63	Biuret 62/63	
3049	B593A10-13-1-6, 7-8	Belle x [((Pa31/3 x BBt)/2]3/2 x PI215936 (R) / (2R)	16 (I)?² (all 2x 1)?		6561
3050	B593A10-13-3-1, 7-2	(R) / (3?)	(I)		6563
3051	" -2, 7-2			✓	
3052	" -3, 7-2			✓	
3053	B593A10-14-3-1, 7-8	(S)	19(I)		6566
3054	" -2, 7-8			✓	
3055	" -3, 7-8			✓	
3056	B593A10-16-1-1, 7-4	(S)	(19)		6567

str. Hd / HB   Iod/Alk 82 / 63

B593A10-16-1-2, Belle x [(CP231/3 x BBt)/2 x PI 215,936]
6567 7-6   3057

(5)   (19) / 13 #

" -3,   3058
✓ 7-7
rellent Belle type row, V good, shorter ht + shorter grain
✓ Pa
Mi
SNP

B593A10-23-1-1,   3059
573 7-5

20

Belle Patna, ck   3060
7-6

B593A10-23-1-2,   3061
573
7-12

" -3,   3062
✓ 7-5

B593A10-24-3-1,   3063
579 one Belle type row, Tor tall
7-6
✓ Pa
Mi

16(I)? / R all 2x1

" -2,   S Jo H.B. La. 1963-64   3064
✓ 7-7

Av Tor tall, plant type,
willowy stems

		Str. Hd / HB	Lod/Blk 62/63	1	
3065	B593A10-24-3-3, Belle x 2[(CP231/3 x BBt)2]3 x 8[I215,934 7-7	R	16 (I)2 all 2x1		6579
3066	B593A10-25-2-1, 7-7		(14)		6582
3067	" -2, 7-7				✓
3068	" -3, 7-7				✓
3069 ✓Hr	B593A10-29-1-1, 7-5 Tall, weak	R	(10 (I)2? 5-2x1 1-3x3) I		6606
3070 ✓Pau ✓Hr	" -2, 7-4	S	Lg. 1963-64		
3071 ✓Hr	" -3, 7-4				
3072	B593A10-31-2-1, 7-8		(12)		6616

Tall, w/weak stems, but are heavy gr. yield, Bell Mat.

Str. Hd / HB   Iod/Alk 62/63

B593A10-31-2-2, Belle x [(CP231/3 x BB4)/2] x PI215936]
6616
7-10
(12)
3073

" -3,
7-8
3074

B593A10-31-3-1,
617 7-8
(I)
3075

" -2,
7-5
3076

" -3,
7-6
3077

B593A10-33-3-1,
621
7-7
(R) R 17(I), ? (5-2x1, 1-3x2)
3078

" -2
7-7
3079

green-mature [illegible]
appear [illegible] but
than Belle's [illegible]

Belle Patna, ck.
7-8
3080

Str. Hd / HB | Iod / ask | 62 / 63

3081 B593A10-33-3-3, Belle x [(P231/3 x BB4)/2] x PF2159
7-7 6621
Pa
Hh
pr apex, gold lint, short lint; grow too full
(R) / R
17 (I) 5-2x1 1-3x2 / 5 to H.R.
La. 1963-64

3082 B593A10-36-3-1,
7-9 6627
/ 13 /

3083 " -2,
7-9 ✓

3084 " -3,
7-9 ✓

3085 B593A10-37-4-1,
7-3 6631
Pa
Hv
segr st. & gold
(R) / (15) 13 I

3086 " -2,
7-3
Pa
Hv
V-F
segr stam & gold.

3087 " -3,
7-3
Pa
Hv
SNP / V-F
all stam

Several days earlier & shorter lint than Belle, V good stamens uniform

3088 B593A10-37-5-1,
7-4 6632
Pa
Hv
segr stam & gold
(R) / (15) 14 I

3085 – 3093, excellent for Var. – Test test
check blast reaction, use as Parents

Str. Hd. / HB | Ind/Alk 62 / 63

B593A10-37-5 -2, Belle x [[(CP231/3 x BBt)/2]1/2] x PI 215,936] 3089
632 ✓Par
7-5 ✓Hv.
deep gold & straw

" -3, 3090
✓ 7-3 ✓Par
✓Hv
all gold (R) / (15)

B593A10-37-6 -1, 3091
633 7-9 ✓Par
✓Hv
(R) / seg 22(I) /

" -2, 3092
7-6 ✓Par
5 La. 1963-64 ✓Hv

" -3 3093
7-4 ✓Par
✓Hv

All later than 3085 but similar
tall & straw type, V good,
all straw now – V good Str.

B593A10-18-2-1, 3094
635
7-10
(R) / 16(I)?; (4-2x1) (2-3x2)

" -2, 3095
7-10

" -3 3096
7-9

Str. Hd / HB

Iod/alk 62/63

3097 BS93A10-18-3-1, Belle x [(CP231/3 x BB+)/2] x PI 215,93

6636

7-12

(R)

(12)

3098 7-13 " -2, ✓

3099 7-13 " -3, ✓

3100 Belle Patna, ck.

7-8

st. hd / HB Ind 62/63

B593A10-18-1-1, Belle x [{(P231/3 x BBt)/2} x PI215.9-6]
6637 3101
7-16

(R) / (7-3/4)

" -2, 3102
7-13

" -3, 3103
7-13

B593A10-18-2-1, 3104
6638
7-9

(R) / 14(I)

" -2, 3105
7-9

" -3 3106
7-11

B593A10-18-3-1, 3107
6639
7-9

(R) / (7-3/4)

-2, 3108
7-9

Ov. Ind

		Str. Hd / HB	Iod/alk 62 / 63	
3109	B593A10-18-3-3, 7-12	Belle x ((P23/3 x BB4) 2 x PI 215		6639
		(R)	(7-I/2)	
3110 Pan	B593A11-1-1-1, 7-2S	(S)	(12) L	6641
3111 Pan	" -2, 7-2S		L	✓
3112	" -3 7-6S			✓
3113	B593A11-1-2-1, 7-6S	(S)	(12)	6642
3114. Pan	" -2, 7-2 shatter			✓
3115	" -3, 7-2S			✓
3116	B593A11-1-3-1, 7-2	(S)	7(I) 11	6643

see pod - 1st pure seeds

Am JNP V.P.

Str. Hd / HB — Leaf Talk 62 / 63

B593A11-1-3-2, 6643 7-5 — Belle × [(P231/5 × BB4/2) × PI215936] — 3117

7-5 — Pan — Nw

-3, — 3118

7-6 — Nw

(5) — 7(I) / I

B593A11-2-1-1, 6644 7-1 — 3119

5 days earlier than Belle with all 3 runs in Var. first test — Pan — Nw

(5) — (19) / 22I — V-F — SMP

Belle Patna, ck 7-4 — 3120

B593A11-2-1-2, 6644 7-1 — 3121

Nw

-3, — 3122

7-4 — Nw

B593A11-3-3-1, 6649 7/10 — 3123

(5) — (24)

-2, — 3124

7/21

		Str. Hd / HB	Lod/alt 62/63		
3125	B593A11-3-3-3, Belle x [(P231/3 x BB)/2}x PI215.93	(S)	(24)		6649
3126	B593A11-3-4-1, 7/19	(S) S	26		6650
3127	" -2, 7/19				✓
3128	" -3 7/19				✓
3129	B593A11-3-5-1, 7/20	(S)	26		6651
3130	" -2, 7/20				✓
3131	" -3 7/20				✓
3132 Par Hu SNP	B593A11-6-2-1, 7-8 v good, VE, now, not as tall as Belle, earlier, v good	(S)	17 / L		6654

str. Hd / HB   Ind/alk 62/63

B593A11-6-2-2, Belle x [[(CP231/3 x BBt)/2]3 x PI 215,936]
654 7-8
(S)   17
3133

4 -3
7-8   7-8
3134

B593A11-7-1-1,
656 7-1   7-1
week earlier than Belle, shorter
Shatters profusely
in a V or. Fert that
(R)   (25)   I
VF   Par   Hv
SNP
3135

" -2,
7-1   7-1
the 3135 (all gold)
3136
Hv

" -3,
7-1   7-1
3137

B593A11-7-3-1,
658 7-2   7-2
good Bell type, shorter lvs,
and as tall, small stems
gold,
(R)   27 (I or I/H)   Prob (I)   I
R   S La. 1963-64
Par   Hv
3138

" -2
7-7   7-7
all gold, later than 3138
Bell-like, smaller lvs.
I
Par
3139

Belle Patna, ck
7-6   7-6
3140

		St. Hd / 4B	Ind/ack 62/63		
3141	B593A11-7-3-3, Belle x [(P2 31/3 x 8Bt) 2] x PI215.93 7-2	(R) / R	(25) /		6658
3142	B593A11-7-2-1, 7-10S	(R) / (4)	(I) / 18 I		6661
3143	" -2, 7-10S				✓
3144 Pan Hr	" -3, 7-10	/ S	L4. 1963-64		✓
SNP /	v uniform all gold, short lit, v good, Pan too short.				
3145 Pan	B593A11-7-3-1, 7-5S	(R) / (4)	29 (I or I/H) / I		6662
3146	" -2, 7-4S				✓
3147	" -3, 7-5S				✓
3148	B593A11-8-1-1, 7/20	✓ / (5)	I/H? or I? /		663

Short lit, good

Str. Hd / HB — Iod / alk 62 / 63

B593A11-8-1-2, Belle x [{(P231/3 x BBt)/2}3 x PI 215,936] 3149
6663
7/20

(S) — I/H? or I?

" -3 3150
✓ 7/21

B593A11-9-2-1, 3151
6667 7/10

(R) / (S) — ('7)

" -2, 3152
✓ 7/12S

" -3, 3153
✓ 7-10

B593A11-9-3-1, 3154
668 7-9

(R) / (S) — ('7)

" -2, 3155
✓ 7-10

" -3, 3156
7-6
Earlier than Belle
all gold hung row, Belle ht
Belle type straw, floppy drop.
P. open

I

SNP ✓ fam. Hv.

		Str. Hd. / HB	Iod/alk 62/63		
3157	B593A11-10-2-1, Belle x [(CP231/3 x BBt)$^{3}_{2}$] x PI215,9 7-1	(S) 5	21/		6670
3158	" -2, 7-1				✓
3159	" -3 7-1				✓
3160 Ho	Belle Patna. ck 7-6		10 I		
3161 Pan Ho	B593A11-10-3-1, 7-3 all gold, sl shorter bt thin Belle Hvy, small stems.	(S)	21 I		6671
SNP 3162 Pan	" -2, 7-2 Sey sh & gold.				✓
3163	" -3, 7-1				✓
3164	B593A11-13-1-1, 7-1	(R) (4)	(24) col		6675

Str. Hd / HB   Iod/alk 62/63

B593AN-13-1-2, Belle x [(CP231/3 x BBt)/2 3] x PI 21593 6]
6675
7-1
3165

" -3
✓ 7-1
3166

(R)/(4)   (24) col

B593A11-13-3-1,
677
7-1
3167

(R)/(6)   18 col

" -2,
✓ 7-1
3168

" -3,
✓ 7-1
3169

B593A11-14-1-1,
678 are too tall, [illegible]
7-1
[illegible] Dwarf
[illegible] pr open (pr open)

(R)/(3)   (25) col I/L
S La. 1963-64
3170
Pan
Thr

" -2,
✓ 7-6 S
3171

" -3,
✓ 7-5
3172

		Str. Hd / HB	Iod / Alk 62 / 63		
3173	B593A11-14-2-1, 7-2	Belle x [C	P231/3 x BB½/2} x PI2159		667
		(R) / (6)	(25)Col		
3174	" -2, 7-1				✓
3175	" -3, 7-1				✓
3176	B593A11-14-3-1, 7-1				6681
		(R) / (S) R	24(I/L)		
3177	" -2, 7-6				✓
3178	" -3, 7-4				✓
3179	B593A11-15-1-1, 7-7, S				6682
		(R) / (S)	(62-L)		
3180	Belle Patna, ck. 7-4				

Too tall & weak, [illegible]

Str. Hd / HB | Iod/alk 62/63

B593A11-15-1-2, Belle x [(CP231/3 x 88t)/2 } x PI 215,936]
6682) 7-6 3181
√Ram
Ho

Best of this line (3179 to 88) SVP

" -3
✓ 7-5 3182
(R)/(S) (62-L)/54 L

Short ht, Belle mat,

B593A11-15-2-1,
6683 7-7 3183
(R)/(S) (62-L)/

" -2,
✓ 7-6 3184

" -3,
✓ 7-5 3185

Short ht, Belle or earlier

B593A11-15-3-1,
6684 7-5 3186
(R)/(S) 45/L.

" -2,
✓ 7-6 3187
√Ram
Ho

" -3,
✓ 7-6 3188

Short ht, Bell or earlier
in apex, v good straw type

		Str. Hd / HB	Tod / Alt 62 / 63	
3189	B593A11-16-1 -1, 7-7	Belle x	[(CP231/3 x BBH)/2] x A1	670
		(S)	89-W / 26 L	
3190	" -2, 7-7			✓
3191	" -3 7-7			✓
3192	B593A11-16-3-1, 7-1			6703
		(S)	45	
3193	" -2, 7-1			✓
3194	" -3, 7-1			✓
3195	B593A11-21-3 -1, 7-9			6706
		(R)	15. 4/I	
3196	" -2 7-9			✓

Str. Hd / Leaf Hd
HB / 62 / 63

B593A11-21-3-3, Belle × [(C123/3 × BB)/2 × PI 215.976]

6706 7-10S 3197

(R) / 15.4/1

-4

7-10S 3198

Plan

-5

7-10S 3199

Belle Patna. ck. 3200

7-7

		St. Hd / HB	Iod/alk 62 / 63		
3201	B593A11-21-3-6, Belle x [(CP231/3 x BBT)2 x PI215,93 7-12	(R)	15 4/I	6206	
3202 Pan Ur NP	B593A11-25-2-1, 7-7 v short ht, earlier than Belle,	(R)	44(4)	6714	
3203	" -2, 7-8				✓
3204	" -3, 7-4S				✓
3205	" -4, 7-7				✓
3206	" -5, 7-6				✓
3207	" -6 7-6				✓
3208	B593A11-26-3-1, 7-1S		30	6718	

		Str. Hd / HB	Iod/alk 62 / 63		
B593A11-26-3-2, Belle x [CP231/3 x BB8/2 x PI 215,936]					
718	7-1				3209
[illegible] Belle					Pan Dw
		/	30 / L	SMP	
	" -3,				
718	7-15				3210
B593A11-28-1-1,					
719	7-7				3211
		/	(35-H) / 22 I		
	" -2,				
	7-5				3212
[illegible] Belle Typer now, Hwy					Pan Dw
	" -3,				
	7-9				3213
B593A11-29-2-1,					
724	7-7				3214
		(R) /	(18) /		
	" -2,				
	7-6				3215
	" -3,				
	7-7				3216

		Str. Hd / HB	Iod / Alk 62 / 63	
3217	B593A11-30-1-1, 7-7 V good Belle type slender shape; pan are shorter	Belle x [(CP231/3 x BBU)/2 x PI 15432]		6726
		(R)	39 (I)	
3218	" 7-9	-2,		✓
3219	" 7-9	-3		✓
3220	Belle Patna, ck. 7-9			
3221	B593A11-30-3-1, 7-9			6728
		(R)	1 / 15 I	
3222	" 7-9	-2,		✓
3223	" 7-7 good Belle type now	-3,		✓
3224	B593A11-31-3-1, 7-1			6731
		(R)	18	

Str. Hd / HB   Iod/ALK 62/63

B593A11-31-3-2, Belle x[(CP231/3 x BBt)/2 x PI215A36]
6731   7-1   3225

(R)   .18

"   -3,
✓   7-1   3226

B593A11-33-2-1,
6733   7-5 S   3227

35

"   -2,
✓   7-5 S   3228

"   -3,
✓   7-5 S   3229
a med short ht Belle row.
short flags
Pa

"
B593A11-33-3-1,
6734   7-3 S   3230

(34-4)   55 L

"   -2,
✓   7-3   3231

Pr apex

"   -3
✓   7-3   3232
Several days earlier & [illegible] shorter ht than Belle, V good.
[illegible]
Pa
Hr

			Stk. Hd / HB	Jod / alk 62 / 63	
3233	B5-93 A11-36-3-1, 7-9S	Belle × [(CP 231/3 × BBt)/2 × PI 221593]			6741
			(R) /	22 /	
3234	〃 7-8S	-2,			〃
3235	〃 7-6	-3,			〃
3236	B593A11-37-3-1, 7-2				6744
			(R) / R	68 # / #	
3237	〃 7-2	-2			〃
3238	〃 7-1	-3			〃
3239	B593A11-38-3-1, 7-2				6747
			(R) / S	/ 4	
3240	Belle Patna, ch. 7-7				

Dark stony Loam, clay

#39

Str. Hd / HB   Iod/Alk 62 / 63   ]HAINAN-1Ku

B593A11-38-3-2, Belle x [(CP231/3 x BBL)/2 x PI 215936]
6747   7-2   3241

" -3,
✓   7-2   3242

(R) /   14 /

B593A17-2-3-1,
6753   7-6   V-F / SNP   3243 Pa / Hr

(S) /   16 / I

" -2,
✓   7-5   3244

" -3
✓   7-6   3245

a good, true stemmed Belle, shorter lvs, Type to N Bell ht)

B593A17-4-3-1,
6756   7-8   3246

(S) /   13 /

" -2,
✓   7-6   3247

" -3,
✓   7.4   3248 Pa / Hr

good, gold-hull Belle, Bell ht, narrower leaves.

		Str. Hd / HTS	Lod / Ank 62 / 63	
3249	BS93A17-7-2-1, Belle × [(CP231/3 × BB4)/2 × PI215936] 7-9			6758
		(R) / (S)	19 (I) /	
3250	" -2, 7-9S			↓
3251	" -3, 7-6			↓
3252	BS93A17-10-3-1, 7-5S medium Bell type of earlier than Belle.	/ S	23 (I) /	6766
3253	" -2, 7-9 Pair ↓			↓
3254	" -3, 7-1			↓
3255	BS93A17-13-1-1, 7-8			6773
		/	(17) / 12 I	
3256	" -2, 7-6 Pair ↓ Any Bell type now Bells ht & med.			↓

Sto. Hd / HB | Iod 62 / Alk 63

B593A17-13-1-3, Belle x[(CP231/3 x BBH)/2 x PI 215936]
6773 7-9 S
(.7)
3257

B593A17-13-2-1,
6774 7-6
[illegible] showed Bell types, prob weaker str. than Belle.
23 (I)
R — S La. 1963-64
3258
Par

" -2
✓ 7-6 S
3259

Nato, ck.
7/18
3260

B593A17-13-2-3,
6774 7-7
3261

B593A17-14-2-1,
6777 7-5 S
Sound acc't, V low yld.
9 I
3262
Par

" -2,
✓ 7-5 S
3263

" -3,
✓ 7-9
I
3264

		Str. Hd / HB	Ind/Btk 62/63		
3265 Pan Nr SNP	B593A17-16-1-1, Belle x [(CP231/3 x BBT)/2 x PI215936] 7-4 Short lit, sl earlier than Belle, V heavy Adv	(R) / R	18(I) → S La. 1963-64		6779
3266 Pan	" -2, 7-10 later than Belle				✓
3267 Pan Nr SNP	" -3, 7-4 Like 3265 Adv. This row lodged!!				✓
3268 Pan Nr	B593A18-1-2-1, 7-1 med full med gr cross with short gr V ar	(R) / S	17		6784
3269	" -2, 7-1				✓
3270	" -3, 7-1				✓
3271 Pan	B593A18-3-3-1, 7-5 deep hull color med late than Belle, sl straw	R	(21) 11 I		6807
3272 Pan Nr SNP	" -2, 7-7 all straw hulls	S La. 1963-64	10 I		✓

3 are short lined Belle
types of stouter stiff
similar mat., good

Str. Hd / HB | Iod / SHK 62 / 63

B593A18-3-3-3, Belle x I[(CP231/3 x BBT)/2 x PI215936]
6807 7-8 are straw hulls
/ (21) / 10 I
3273 Pa Hv

B593A18-4-1-1,
6808 7-6
(R) / 17 (I) /
3274 Pa Hv

" -2,
7-5
3275 Hv

✓ " -3,
7-5
3276 Hv

are very long & lean; Belle is taller. cross with dwarf?

B593A18-15-2-1,
6812 7-1
(R) / 73 /
R → 5 La. 1963-64
3277 Pa Hv

✓ " -2,
7-1
3278

✓ " -3
7-1
3279

Short ht & earlier than Belle shatters badly — weak straw

Belle Patna, ck-
7-7
3280

		Str. Hd / HB	Iod/Alk 62 / 63		
3281	B593A18-16-3-1, Belle x [(CP231/3 x BBt)/2 x PI215936 7/22	R / S	14(L)		6832
3282	" -2, 7/22				✓
3283	" -3, 7/22				✓
3284 Par Hr V-F / SNP	B593A18-19-3-1, 7-2	(R) / R	18 (I or H)^2 (all 2x1) / 13 I		6838
3285 Par Hr	" -2, 7-2	S	La. 1967-68		✓
3286 Par Hr	" -3,				✓
3287	B593A18-21-1-1, 7/24	(R) / S	15		6843
3288	" -2 7/27				✓

all look alike, can be bulked
Sl. shorter + more lvs, bd than
Belle, 2 V hvy
adr
flopp drop
may ripen more uniform than
Belle.

		Str. Hd / HB	Leaf / Rhk 62 / 63		
B593A18-21-1-3, 6842 7/23	Belle	x[(CP221/3 x BB1)/2 x PI 215,936]			3289
		(R) / S	15		
B593A18-24-2-1, 6850 7-1					3290
		/ S	27		
7-5	"	-2,			3291
			I		
6-30	"	-3,			3292
B593A18-26-3-1, 6857 7-1					3293
		/ (S)	12		
7-2	"	-2,			3294
7-4	"	-3,			3295
good gold fruit Belle type standing straw, long					
B593A21-4-2-1, 6866 5/+6					3296
a short bt Belle row Uniform, earlier than Belle		(R) / (S)	9 / L	SNP	

		Stn-Hd / HB	Iod/Alk 62 / 63		
3297	B593A21-4-2-2, Belle x [(CP231/3 x 38B)½ x PI215936 7-7S			6866	
		(R) / (S)	9 /		
3298	" -3 7-5S			✓	
3299 fa	B593A21-5-1-1 7-5S v good med-gr.	/ (S)	(16) /	6868	
3300	Nato, ck.				

Stw. Hd / HB | Iod/Alk 62/63

B593A21-5-1-2, Belle x [(CP231/3 x BB1)/2 x PI215936]
6868 7-13 3301

(S) (16)

" -3, 7-5 3302

B593A21-6-1-1,
6871 7-11 3303

(S) 9

" -2, 7-11 3304

" -3 7-11 3305

B593A21-7-2-1,
6875 7-3 3306

(S) R 14 L

" -2, 7-2 3307

S Lo. 1963-64

L

" -3, 7-6 3308

L

SNP

		Str. Hd / HB	Iod / A1K 62 / 63		
	B593A21-7-2-1, Bolle x [(CP231/3 x BB4)/2 x PI215936]				
3309	7-1				6875
		(S)	14		
	" -2,				
3310	7-2				✓
	" -3,				
3311	7-2				✓
	B593A21-7-3-1,				
3312	7-2				6876
		(S)	(15) / 12 L		
	" -2,				
3313 Par	7-1 Short ht, gold, Bell not max, V good				✓
	" -3,				
3314	7-1				✓
	B593A21-10-3-1,				
3315	7-8				6883
		(R)	13		
	" -2,				
3316	7-8				✓

		str. hd / HB	Ind / AHK 62 / 63	
B593A21-10-3-3, Belle x [(CP231/3 x BB1)/2 x PI215936]				
6883	7-8			3317
		(R) /	13 /	
B593A21-12-2-1,				
6901	7-13			3318
		(R) /	28 /	
	"	-2,		
✓	7-3			3319
Belle Patna, ck.	7-8			3320
B593A21-12-2-3,				
6901	7-6			3321
		(R) /	28 /	
B593A21-13-1-1,				
6903	6-29			3322
		(R) /	18 /	
	"	-2,		
✓	6-29			3323
	"	-3,		
✓	6-29			3324

		Str. Hd / HB	Iod/Ark 62/63	
3325	B593A21-13-3-1, 7-1	Belle x [(P231/3 x B8)/2 x PI 215936] (R) /	(17) /	6905
3326	" -2, -1			✓
3327	" -3,			✓
3328 ✓ Pan	B593A21-14-2-1,	/ S	13 / L	6907
3329	" -2,			✓
3330	" -3,			✓
3331 ✓ Pan	B593A21-14-3-1,	/	(11) / L	6908
3332	" -2			✓

Bad mixt.
not earlier shorter Ht
V. slender

	Str. Hd / HB	Iod / Ark 62 / 63		
B593A21-14-3-3, Bella x [(P28/3 x BB1)/2 x PI 215936] 6908				3333
		(11)		
B593A21-15-1-1, 6909	7-12			3334
	(R)	(10-I)		
"	-2 7-11			3335
"	-3 7-12			3336
B593A21-15-2-1, 6910	7-11			3337
	(R)	10 (I)		
"	-2, 7-11			3338
"	-3, 7-12			3339
Nato, ck.				3340

		Str. Hd / HB	Ind/Ant 62 / 63	
3341	B593A21-15-3-1, 7-12	Bell. x[(cp33/5 x BBE)]		x PI 215.936 6911
		(R)	(10-I)	
3342	" -2, 7-11			↓
3343	" -3, 7-11			↓
3344	B593A21-16-2-1, 7-8			6913
		(R)	(12)	
3345	" -2, 7-2			↓
3346	" -3 7-8			↓
3347	B593A21-16-3-1, 7-8			6914
		(R) 5	16	
3348	" -2, 7-8			↓

		Str. Hd / HB	Lod / Blk 62 / 63	
B593A21-16-3-3, Belle x [(CP23 1/3 x BB4)/2 x PI 215936] .914	7-8			3349
		(R) / S	16	
B593B6-2-3-1, 917	7-8			3350
		(R) / (S)	19	
"	7-5	-2,		3351
"	7-10	-3,		3352
B593B6-4-1-1, 922	7-5			3353
		(S)	(ZT)	
"	7-5	-2,		3354
"	7-6	-3,		3355
B593B6-4-2-1 923	7-5			3356
		(S)	40 (I)	

		Str. Std / HB	Jod / Alk 62 / 63	
3357	B593B6-4-2-2, 7-2	Belle × [(P231/3 × BBt)/2 × PI 231		692
		(S)	40 (I)	
3358 Pan Jn	" -3 7-7 v good Bulk type now			✓
3359	B593B6-6-1-1, 7-6			692S
		(S)	17	
3360	Belle Patna, ck. 7-7			
3361	B593B6-6-1-2, 7-5			692S
3362	" -3 7-3			✓
3363 Pan Kw	B593B6-7-2-1, 7-1 Large chalky gr.			6929
		(R) (2) R	18/I	
3364 Pan	" -2, 7-1 Smaller gr. than 3363, chalky	5 La. 1967-64		✓

		Str. Hd. / HB	Leaf / Ank 62 / 63		
	B593B6-7-2-3 Belle × [(CP231/2 × BB4)/2 × PI215936]				
6929	7-1				3365
		(R) / (2) R	18/I		
	"	-4			
✓	7-1				3366
	B593B6-8-2-1,				
6932	7-6				3367
			(43-L)		
	"	-2,			
✓	7-4				3368
	"	-3,			
✓	7-4				3369
	B593B6-8-3-1,				
6933	7-5				3370
			L		
	"	-2,			
✓	7-2				3371
	"	-3,			
✓	7-2				3372

		Str. Hd / HB	Iod / Mk 62 / 63	
3373	B593B6-10-2-1, Belle x [(CP231/3 x BB8)/2 x PI215936] 7-1			6938
		(R) / (S)	17	
3374	" -2, 7-1			↵
3375	" -3, 7-1			↵
3376	B593B6-11-2-1, 7-1			6942
		(S)	9	
3377	" -2, 7-1			↵
3378	" -3, 7-1			↵
3379	B593B6-11-3-1, 7-2			6943
		(S)	(17)	
3380	Nato, ck			↵

		Str. Hd / HB	Iod / Ank 62 / 63	
B593B6-11-3-2, Belle x [(CP231/3xBB4)/2 x PI 215926]				
6943	7-1			3381
		(5)	(17)	
	" -3			
6943	7-1			3382
B593B6-14-1-1,				
6947	7-1			3383
		(R) (5)	17	
	" -2,			
✓	7-1			3384
	" -3			
✓	7-3			3385
B593B6-14-3-1,				
6949	7-1			3386
		(R) (5)	(15)	
	" -2,			
✓	7-1			3387
	" -3,			
✓	7-3			3388

		Str. Hd / HB	Jod / AIK 62 / 63		
3389	B593B6-16-1-1, Belle x II[CP231/3 x BBt/2 x PI215936] 7-11	R	15(4)		6953
3390	" -2, 7-11				✓
3391	" -3, 7-8 2s earlier than other rows V good		(29)		✓
3392	B593B6-16-2-1, 7-7		(29)		6954
3393	" -2, 7-7				✓
3394	" -3 7-7				✓
3395 [illegible]	B593B6-16-3-1, 7-6	R	(29) S La.1963-64		6955
3396 Pan	-2, 7-6				✓

Short ht., 1 wk later than Belle. V Good rows

Possibly 1 wk later than Bell or slower ripe type

G CI9545 grain type

		Str. Hd / HB	Iod / BIK 63 / 63	
6955	B593B6-16-3-3, Belle × [CP 23 1/3 × B3H 1/2 × PI 315936] 7-6			3397 VPa
6957	B593B6-17-2-1, 7-2	R-S	(29)	3398
↓	" -2, 7-2	(R)	(17)	3399
	Belle Patna . ck 7-6			3400

		Str. Hd / HB	Lod / Ank 62 / 63	
3401	B593B6-17-2-3 7-9	Belle x [(CI 231/3 x BBI) x PI 215936]		6957
		(R)	(17)	
3402 Pan Hv	B593B6-17-3-1, 7-5			6958
		(R) R	4± (H)	
3403 Pan Hv	" -2, 7-2			"
		S Lg. 1963-64		
3404 Pan	" -3, 7-1			"
			I	
3405	B593B6-19-3-1, 7-1			6964
			ZZ	
3406	" -2, 7-1			"
3407	" -3, 7-1			"
3408	B593B6-20-1-1, 7-7			6966
		(R)	(13-14 or 14)	

Str. Hd / HB   Iod / Alk 62 / 63

B593B6-20-1-2, Belle × [(CP 231/3 × BB4)/2 × PI 215,936]
6966   7-5   3409
(R)   (13-Low/I)

"   -3
✓   7-5   3410

B593B6-20-2-1,
6967   7-2   3411
(R)   5(L) / 11 L

"   -2,
✓   7-5   3412
V good Belle type row, Cross with med gr fall, early if V low iodine is expected.   (S) La. 1963-64   SNP   Pa / Hv

"   -3,
✓   7/21   3413

B593B6-20-3-1,
6968   7-1   3414   Pa / Hv
V good med-gr, med lit chalky
(R)   (13-Low/H)

"   -2,
✓   7-1   3415

"   -3,
✓   7-1   3416

		Str. Hd. / HB	Jad / Atk 62 / 63	
3417	B593B6-21-1-1, Belle x [(C123 1/3 x BBt) 1/2 x PI 21594] 7-6			696
			(20)	
3418	" -2, 7-9S			"
3419	" -3, 7-5			"
3420	Nato, ck. 7-17			
3421	B593B6-21-2-1, 7-5			6990
			15	
3422	" -2, 7-5			"
3423	" -3, 7-5			"
3424	B593B6-21-3-1, 7-7			6991
		R	(20)	

Str. Hd / HB | Iod/AIK ^{62}/63

B593B6-21-3-2, Belle x [(CP231/3 x BBt)/2 x PI215936]
6971 7-7 3425

/ (20)/28 L

" -3,
✓ 7-5 3426
[illegible] good med short st. row, a Pan
[illegible]med full, long + grain for this cross Hr

B593B6-22-3-1,
6974 7-5 S 3427

(R) / 21 /

" -2,
✓ 7-4 S 3428

" -3,
✓ 7-6 S 3429

B593B6-24-1-1,
6978 7-9 3430
Pan

/ seg (33-6) /

" -2,
7-10 3431
Pn
He

(5) La. 1963-64

" -3,
7-7 3432
Pan

Very g family

		Blast R-1 / R-6	Str. Hdg / HB	Iod / Ark B2 / 63	
3433	B593B6-24-2-1, 7-2		Belle x Ec	P231/3x881 x Pt215936	6976
3434	" -2, 7-6			15(4)	
3435	" -3, 7-3				
3436	B593B6-24-3-1, 7-1				6981
3437	" -2, 7-5			(33-4)	
3438	" -3, 7-3				
3439	B593B15-5-1-1, C Pmet				7007
3440	Belle Patna, Ck. 7-5	(R) (R)	(R) (4)	(80-H)	

	Blast R-1 / R-6	Str. Hd / HB	Ind / Mk 62 / 63	
B593B15-5-1-2, Bolt x[CP231/3 x BB4]/2				
7007	7-1			3441
	(R) / (R)	(R) / (4) -3,	(80-H)	
	〃			3442
	7-17S			
B593B15-5-2-1,				
7008	7-7			3443
		(R) / (5) -2,	75(CH)	
	〃			3444
	7-1			
	〃	-3,		3445
B593B15-5-3-1,				
7009	7-5S			3446
	(R) / (R)	(R) / (2) -2,	(80-H)	
	〃			3447
	7-2S			
		(5) La. 1961-64		
	〃	-3.		3448
	7-5S			

		Blast R-1 / R-6	Str. Hd / HB	Iod/BK 62 / 63	
3449	B593B15-6-2-1, Belle x 1/(CP231/3x88Y)/2 x PI215936] 7-10				7011
			(R) / (S)	18 /	
3450	" 7-9	-2,			✓
3451	" 7-9	-3			✓
3452	B581A6-198-1/(CP231/3 x 88Y)/2 x PI215936 7-15				7770
			Ⓢ /	54(L) /	
3453	" 7-15	-2,			✓
3454 ✓ Pan	" 7-15	-3,			✓
3455	" 7-15	-4,			✓
3456 Pan ✓	" 7-15	-5,			✓

on all 4 uniform, early cp types & good
grain is too full.

		str. hd / HB	Iod 62 / Ark 63	
B581A6-698-1-6, (CP231/2 x BB1)/2 x PI 21593				
1770	7-15			3457
		(S)	54 (L)	
B581A6-698-2-1				
1771	7-15			3458
		(S)	(38 I/L)	
	"	-2.		
✓	7-13			3459
				Pa
	Nats, ck.			3460
B581A6-698-2-3,				
1771	7-15			3461
B581A6-698-3-1,				
1772	7-13			3462
		(S)	(38 I/L)	
	"	-2,		
✓	7-14			3463
	,,	-3		
✓	7-13			3464
				Pa

		Str. Hd / HB	Iod / Alk 62 / 63	Biuret 62 / 63
3465	Black hull Mutant, 7-3			CP231 x Pima 2916
			38	30
3466	" 7-10			↓
3467	" 7-10			↓
3468	BS545A9-5-3-1, 7-20			CP231/2 x Zayas Bazan 7959
		(S)	30	
3469	" 7-20			↓
3470	" 7-20		I	↓
	Pan ↓ Ukr			
3471	BS489A 4-8-3, 7-17			CP231/2 x CI8970 8010
		(MS)	77	
3472	" 7-17			↓
	Pan ↓ Ukr			

V good early CP type, thin.

		Str. Hd / HB	Lod / Ark 62 / 63		
B 5489 A 4-8-3, CP 231/2 x CI 8970					
8010	7-18				3473
		(MS)	77		
B 5534 A 3-7-3,				"	
8016	7/23				3474
		(MR)	(14-I)		
✓	1/23	"			3475
✓	1/23	"			3476
Gulfrose Sel.					
8054					3477
		(MS)	(29)		
✓	7-18	"			3478
✓		"			3479
Belle Patna, ck.					3480
	7-7				

		Str. #9 / HB	Iod / Alk 62 / 63	
3481 Pan Dr	Gulfrose Sc. 7/20 gold bulls, narrow lg. long-g	0 (MS)	(29) / 39 L	805
3482	" 7/21	0		L
3483 Pan	" 7-21	0	36 L	L
3484	" 7-18	0 (MS)	59	805
3485 Pan	" 7-18	0		L
3486	" 7-18			L
3487	" 7-18			L
3488	"			L

		Str. Hd / HB	Lod / HK 62 / 63	
Gulfrose	Sel			
8057	7-17			3489
		MS / 59		
CI 8970 (P)				
8157	6/12			3490
		37 Reddish / 36 L/I		
↓	" 6/12			3491
↓	" 6/12			3492
↓	" 6/13			3493
↓	" 6/13			3494
↓	" 6/14			3495
CI 8970 (S)				
8159	6/14			3496
		57 Reddish / 34 L/I		

		Str. Hd / HB	Iod / Ark 62 / 63	
3497	CI 8970 (S) 6/15			815
3498	〃 6/15		Sh Reddish	✓
3499	〃 6/15			✓
3500	Nato, ck. 7/20			1

Bull Hw

3500 - 7-5

51 - 7-1
2 - 7-1
3 - 7-1
4 - 7-1
5 - 7-1
6 - 7-1

3515 - 8-29
8 - ↓
7 -

3525 - 7-1
6 - 7-1
7 - 7-1

3501 - 6-15
02 - 6-15

3085—93 Use as parents as
V early, short ht type earlier than Belle

3231 + 3232 Cross with med-gr for Belle mat.
gene, are short ht & earlier than Belle

3284 RhHB cross with Belle
9488, #25 + F1 of Belle x 9488

3194
3190
3170
3408
} Cross with CP231 Dwarf type Dw
are v tall rows, long, uncolored peduncle

3201
3232
3402
3414
} Cross with best short & med-gr for VE mat

3426 - Cross with v large gr African (Congo var)

2509-13 Tarch #1, Sweet ermase (4-6)

2907, Belle mat, v long coarse gr.
Cross with other 100 day & dark
green PI 215,936 hybrids

2226-31 Cross with CP231 typ Dw

CR FORM
FEB. 1958 6

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Crops Research Division

FIELD NOTEBOOK
AGRONOMIC NOTES

If found, please tie securely and return to

(Employee's Name)

(Street Address)

(City and State)

U. S. GOVERNMENT PRINTING OFFICE 16—53084-2

Cercospora c.

4337

1 Has a totally stunted plant

2. V stunt hazelnut type

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.
Size.....1/20 acre.

SOIL

Kind.....Prairie loam.
Position.....Somewhat rolling.
Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....
Disk..... Osborn.....Sharp.
Harrow..... U Bar.....Good.
Seeder..... Monitor.....Good.

SEED

Variety.....Variable.
Weight per bushel.....Variable.
Source.....Variable.
Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half).....4–6–'08.
2. Disked (lapped half).....4–10–'08.
3. Harrowed.....4–10–'08.
4. Harrowed.....4–27–'08.
5. Seeded.....4–27–'08.
6. Harrowed.....4–27–'08.

SEEDING

Manner.....Drilled.
Date.....4–27–'08.
Rate.....3 bushels per acre by weight.

U. S. GOVERNMENT PRINTING OFFICE 16—53084–1

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

---------- TEST OF ----------, 19------

CONDITIONS OF EXPERIMENT

PLOT

Location----------

Size----------

SOIL

Kind----------

Position----------

Previous crop----------

NAME AND CONDITION OF MACHINERY

Plow----------

Disc----------

Harrow----------

Seeder----------

SEED

Variety----------

Weight per bushel----------

Source----------

Treatment----------

SEED BED

Preparation:

1. ----------
2. ----------
3. ----------
4. ----------
5. ----------
6. ----------

SEEDING

Manner----------

Date----------

Rate----------

16—53084-2

---------- TEST OF ----------, 19------

CONDITIONS OF EXPERIMENT

PLOT

Location----------

Size----------

SOIL

Kind----------

Position----------

Previous crop----------

NAME AND CONDITION OF MACHINERY

Plow----------

Disc----------

Harrow----------

Seeder----------

SEED

Variety----------

Weight per bushel----------

Source----------

Treatment----------

SEED BED

Preparation:

1. ----------
2. ----------
3. ----------
4. ----------
5. ----------
6. ----------

SEEDING

Manner----------

Date----------

Rate----------

16—53084-2

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

		Str. Hd / HB	Iod 62 / 63	
3501 NU	CI 8970 (S) 1 6-13	← Back H.. →	5-7 Reddish	8159
3502	" 6-13			✓
3503 Par ✓ Hv	Sel, -21, Cody x PI 160, 878 7-12 Shorter ht & almost as early as 3505 Sh ht may be due to loc.	Possibly all are same but if seed is increased do so in separate plots, O V[illegible] good smooth strain for increase	33 Red L	8412
3504 Par ✓ Hv	" 7-14		wafy	✓
3505 Par ✓ Hv SNP	" 7-9 Earlier than others med ht, V long Sm. adv		wafy	✓
3506 Par ✓ Hv	Sel -41 (common) 7-14.		33 L	8421 common
3507 Par ✓ H	" 7-14			✓
3508 Par ✓	" 7-14 later than others			✓

		Str. Hd / HB	Ind 62/63	
Sel - 41 (waxy),			Cody x PI 160,878	
8421 waxy	7-15			3509 Pa
✓	" 7-10			3510 Pa
✓	" 7-12		41 Red L	3511 Pa Hr
PI - 224887				
8431	7-10		46	3512 Hr
✓	" 7-10		55 Red L	3513 ✓ Pa Hr
✓	" 7-10			3514 Hr
PI 224 934				
8435	7-10		42	3515 Hr
✓	" 7-10		61 Red L	3516 Pa Hr

are V much like Sel 41,
med ht,

are earlier than [illegible]
but same, sl. larger, pl. med
ht. V good, [illegible] heads, V good
straw

		Str. Hd / HB	Iod 62 / 63		
3517 Nr	PI 224 934 7-8		42	8435	
3518	Crowley " 7055 7/21			8605 Common	
3519 Pan	" 7/21		62 L	✓	
3520	Woxy Zenith, ck. 7/22			5	
3521 Pan	Crowley - 7055 (common) 7-11 c p ht, sl variety sign pl types, some smooth & good			8605 Common	
3522 Pan	Crowley - 7055 (waxy) 7-18			8605 Waxy	
3523 Pan Hr	" 7-9 Tall Jap, a smooth med-grown		" 34 Reel L	✓	
3524 Pan	" 7-13 V short ht, V dark green long glumes, erect-floppy		"	✓	

all 3 different ?

		Iod 62/63		
PI 160, 825 8631	7-7			3525
		14 Red		
✓	〃 7-7			3526
		39 Red L		
✓	〃 7-7			3527
PI 160, 871 8634	7-13			3528
		48 Red		
✓	〃 7-13			3529
		42 Red L		
✓	〃 7-13			3530
PI 160 022 8640	7/25			3531
✓	7/25			3532

			Ind 62/63	
3533	PI 160 022. 7/25			8640
3534	PI 160 648 7-8		13 Red	8649
3535 Pan Hv	7-8 "			✓
			28 Red ✓	
3536	7-8 "			✓
3537	PI 160 780 7-7		13 Red	8652
3538 Pan Hv	7-7 "			✓
			37 Red ✓	
3539	7-7 "			✓
3540	Waxy Zenith, ck. 7/21			

med lt yellow disc

tall yellow dsp

1ad
63

PI 160 968 (Common)

8660 Common 7-9 3541

97

" 7-9 3542 Pa

22 L

" 7-9 3543

PI 160 968 (Woxy)

8660 Woxy 3544

PI 160 564

8673 7-1 3545

12 Red

" 7-1 3546 Pa Lu

44 Red L

" 7-1 3547

PI 160 662

8684 7-6 3548

			1st / 62 / 63	
	PI-160 662			
3549 Pa Nv	7-6			9684
			26 Red / 25 Red L	
3550	7-C "			✓
3551	PI HONEN - Wase (Japan) 7-1		7 (2-6x6 / 4-6x6) L / R,O	9475
3552	" 7-1			✓
3553 Pa Nv	" 7-1			✓
			40 L	
3554	KOSHIDI - Wase (Japan) 7-4		12 (6x6) L / R,O	9477
3555 Pa	7-4 "			✓
			43 L	
3556	" 7-4			✓

Str. Hd / HB   Iod / 62/63   Biuret 62/63

PI 275,421, BIR-ME-FEU,
8811 (TAIWAN)
See 2489 et al for other World
Collection Varieties.
7/10 3557

do.
8811 7/10 3558

Tall pl. erect
wk straw, Chinese
Type. Not Jap.

33(I)

BlackHull Mutant, CP231 x Dima
2916 7/10 3559 ✓Pa

38/16 30/

Nato, ck.
7/20 3560

BlackHull Mutant, C
2916 7/10 3561 ✓Pa

✓ 7/10 " 3562 ✓Pa

B5617A22-23-2-3, Rex/2 x PI 183,331
2142 7/31 3563

(S)   (13)

✓ 7/31 " 3564

Highly S. to H.D.
ne shat. ht., erect lf.
sturdy, medium

		Str Hd / 413	Rod / 62 / 63	Biarot	
3565	BS617A22·27-2-3, Rex/2 x PI 7/21	(S)	(13)	183331	2142
3566	BS617A26-3-2-3, 7/22	(S)	15	25	2153
3567	〃 7/22				〃
3568	〃 7/22 Shoot 1st head, needle rusty poor yield				〃
3569	BS617A26-3-2-3 7/22	(S)	15	28	2156
3570	〃 7/22				〃
3571	〃 7/22				〃
3572	BS617A26·5-1-2, 7/28				2161

EID/MN/I

Str. Hd / HB   Iod / 62 / 63   Biuret 62 / 63

B5617A26-5-1-2, Rex/3 x PI 183,331
2161 7/28
E/D/MN/I
(S) /   (14) /
3573 Par

✓ 7/28   "
3574

B5617A26-28-1-1
2263 7/24
Taller & more productive than others
/ (5)   15 /   31 /
3575 Par

✓ 7/24   "
3576

E/I/I/T
✓ 7/24   "
3577

B585A1-1-1-3,~~1~~-1 BB+50 x Dima
2269
Long, plump, v good grain type, longer & fuller than [illegible]
(S) /   10 / I   33 /
3578 Par

✓   "   -2
3579

7/24 CP 231, ck.
3580

			Str. Hd / HB	Jad / 62 / 63	Biund / 62 / 63
3581		B585A1-1-1-3,	3	BB 150 x Dima	2269
			(S)	10	33
3582	7/31	A1-1-1-3-4-1			2272
Pan			(S)	13	33
3583	7/30	11	-2		✓
3584	7/31	11	-3		✓
Pan				I	
3585	8/1	11 A1-1-1-3-6-1			2274
			(S)	11	28
3586		11	-2		✓
3587		11	-3		✓
3588		B585A1-5-1-2,			2279
			(S)	31	25

E/I/I/T

			3rd r. Hd / HB	Iod / 62 / 63	Biuret / 62 / 63		
2279 7/31	B585A1-5-1-2,			BBY50 x Dima			3589
			(5)	31	25		
✓	8/1	"					3590 Pan
335	B585A1-32-1-3-1-1						3591 Dr
			(5)	21	28		
✓		"	-2	I		SNP	3592 Pan H
✓		"	-3				3593 H
✓		"	-4				3594 H
✓		"	-5				3595
✓		"	-6				3596

E/D/MN/MS
much similarity

V good Bkdlt smut, v long pan
v large grain, good yield

Good for FO
Parboil + try A graph

		Str. Hd / HD	Ind / 62 / 63	Biuret 62 / 63.	
	BS85A1-50-1-3.	B	Bt50 x	Dima 2376	
3597	7/28	(Seg) (MS)	21	31	
3598 ms	7/28			✓	
3599	7/20	E/D/MN/I		✓	
3600	Blt 50. ck.				

Plant ht. 4" early, sub fair
grain yield, " early = 2nd growth

	St. ht / HB	Iod / 62/63	Biured / 62/63	
B585A1-65-1-3, 2421 8/10		BB450 x Dima		3601
	(Seg (5))	(19)		
E/D/MW/IT-	"			3602 Pan
	"			3603
B585A1-68-1-2-1 2428 8/9				3604
	(3)	21	26	
	"	-2		3605 Pan
	"	-3		3606
B585A1-86-1-2, 2426 7/27				3607
	(Seg (5))	(20)		
7/30	"			3608

		St.Hd / HB	Iod/ 62/63	Biuret 62/63	
3609 ✓Pan	B585A1-86-1-2, BB450 x Dima 7/27 rough hulls. but v good	(Seg) CS, /	(20) /		2476
3610 ✓Pan Hn	B585A1-109-2, -1 7/31 adv in Bbd group Extra 4yN		" 17/13 I	30 /	25-35
3611 ✓Pan	"	-2			✓
3612 Pan ✓ Hn 8/17	" 7/28 med short ht, E/Ht/MS	-3	/ 12 I		✓
3613	B585A1-23-2-3, 8/4	(VS) / (Seg) S	(33 I/L?) /		2625-
3614 ✓Pan Hn	" Excellent Bbd type, V long grain				✓
3615	"				✓
3616	B585A1-23-2-3 Bk-1 8/4	/ (65)	33 /	30 /	2628

R to CO, all v good
large seed, v good
sturdy, Medium ht

Str. Hd / 2HB | Iod/Dik 62/63 | Biuret 62/63

B585A1-23-2-3BK-1, BBY50 x Dima

2628 8/7

excellent & large-seeded type & sturdy straw

(65) | 33 I | 30

3617 Pan Hw

"

✓

3618

B585A1-35-1-2BK-1

2635 8/15

(VS) (0R) R | (13 I)

3619 Pan

Nato, cl.

7/16

B585A1-35-1-2BK-1

2635 8/1 Syn

(0-R) R

3621

lacks vigor

"

✓ 8/1 → Sept

3622 Pan

B585A1-57-3-1BK-5-1

2651 8/6

(S) (Seg) | (24 Hr II) 25 | 31

" -2

✓

3623

3624 Pan

		Str. Hd / HB	Jod / Ank 62 / 63	Rivet 62 / 63
3625	B585A1-57-3-1 BK-5, 3/6		3 BB150 x Dima	2651
		(S) (SEG)	25	31
3626	B585A1-61-1-3 BK-1 8/12 Pan Nw			2656
		(S) (R)	29 I	28
3627	8/12 "	-2,		"
3628	8/12 "	-3,		"
3629	B585A1-61-1-3, 8/12 Pan Nw			2674
		(S)	29	29
3630	8/12 " S			"
3631	8/12 " S			"
3632	B583A1-1-1, 7/20		CP231 x Dima	2701
			90	26

ELDINGS
all around
all around

		Str. Hd ~~#~~ HB	Iod/Alk 62/63	Biuret 62/63	
	B583A1-1-1		C P231 x	DiMa	
2701	7/20		90	26	3633 √Par
✓	7/20 "				3634
	B583A1-2-2,-2-1			"	
2205	7/31 S	(5)	(29)	28	3635
✓	S "		2		3636 √Par
✓	S "		→		3637
	B583A1-4-2,				
2712	7/20		31	I/H?	3638
✓	"				3639 √Par √Hr
	CP 231, ck.				3640

Erect growth habit
Rough

E/D/MN/MS

E/D/N/MS
V short leaves

		strHd / HB	Hod/Alk 62/63	Bun 3 62/63	
3641	B583A1-4-2 , C		P231 x Dima		2712
			31		
3642	B583A1-6-2 1-1 8/1 Pan				2713
			44	25	
3643	"	-2			✓
3644	"	-3			✓
	RbCO				
3645	B583A1-7-1 1/20 Pan				2717
			(80)		
3646	"				✓
3647	S "				✓
	E/I/MH/MS RbCO				
3648	B583A1-10-3 1-1 8/2 Pan				2726
		(5)	51 I/H	32	

			St. ld / HB	Iod/Alk 62 / 63	B. wt 62 / 63	
B583A1-10-3-1-2				CP231 x Dima		
.226	7/21 S					3649
			(S)	51	32	
✓	8/3	"	-3			3650
B583A1-12-1;2-1						
733	7/27					3651
			(S)	24 I	27	
✓		"	-2			3652 Pan
✓		"	-3			3653
			(S)	(19)		
B583A1-12-1,						
2734	7/30					3654
			(S)	(19)		
✓	7/25 S	"				3655
✓	7/25 S	"				3656

E/D/M/W/T–

E/MD/N/MS

very narrow lf. PxCO

		Str. Hd / HB	Iod / Alf 62 / 63	Burrell 62 / 63
3657	B583A1-12-3, 7/27		CP231 x Dima	2737
			80	29
3658	"			✓
3659 Pan	E/D/M/MS			✓
3660	Bbt 50, ck. 8/3			
3661	B583A1-15-2, 7/25			2746
			89	31
3662	E/D/MM/L "			✓
3663 Pan	"			✓
3664	B583A1-18-3, 7/24			2753
			88	32

			Str. Hd / HB	Iod/Alk 62/63	Biuret 62/63	
2253	B583A1-18-3, 7/26			CP231 x D1Ma 88	32	3665
✓		〃				3666
2778	B583A1-25-2, 7/27			78	33	3667
✓		〃				3668
✓		〃				3669
2803	B583A1-27-1, 8/6		VS	11	28	3670 Ran
✓	7/27 S E/D/N/MS	〃				3671
✓	8/6	〃				3672

		Str. Hd / HB	Jod / Mk 62 / 63	Bimod 62 / 63	
3673 Pan	B583A1-27-2, S	31	CP231 x Dima		2807
			18	33	
3674	"	-2			"
3675	"	-3			"
3676	B583A1-30-3, 7/27				2812
			90	33	
3677	"				"
3678 Pan Do	"				"
3679	B583A1-41-1, 8/10				2817
		(S)	(ISI)		
3680	Nato, ck. 7/16				

ETD/N/S1

ETD/N/MS

		str. Hd / HB	Iod/AK 62/63	Biuret 62/63		
B583A1-41-1, 2817 8/14			CP231 x DIMa			3681
		(S)	(15 I)			
✓ 8/14	"					3682
B583A1-45-2;2-1 2825 7/20						3683
		(S)	21 I	34		
✓	"		-2		SNP	3684 Pan II
✓	"		-3			3685
B583A1-47-3-2-1 2834 7/30						3686
			19	30		
✓ 8/1 E/D/N/S	"		-2			3687
✓ 8/1 S	"		-3 I			3688 pan

CP mat'l in hybrid, [illegible]
new cross.
E/L/MN/I

		Str: Hd / 240	Jod/Mk 62/63	Biuret 62/63
3689	B583A1-52-2, 7/28		CP23 1x Pima 2843	
			19	30
3690	"			✓
3691	7/30 "			✓
3692	B583A1-55-1-2-1 8/4			2850
	✓Pan Nu SWP		19	31
3693	" E/D/N/I	-2		✓
3694	1/4 " ✓Pan	-3		✓
3695	B583A1-62-2, 7/29			2873
			85	35
3696	"			✓

Str. Hd/HB Dad/Blk 62/63 Biard 62/63

B583A1-62-2 , CP231 x Dima 3697

2873 7/31

85/ 35/ √Pam

882 B583A1-65-2,-2-1 3698

7/28

VS/ 17-I/ 30/ [illegible]/

11 -2

✓ 7/28 E/D/V/V 3699 √Pam

7/22√ CP231. ck. 3700

		Str. Hab	Iod/Blk 62/63	Biuret 62/63
3701	B583A1-65-2 2-3 CP231 x Dima 2882			
		(US)	17	30
3702	B583A1-71-3 2909			
			66	26
3703	"			↓
3704	8/2 "			↓
	↓ Pan			
3705	B583A1-75-1, 9/10 2913			
			42	31
3706	"			↓
3707	"			↓
3708	B583A1-37-4-1-BK-1 7/22 2941			
	↓ Pan		14	36
		(1xgr)		

VE/V/N/VT Lancaster

		Str. Hd. / HB	Iod/BK 62/63	Biuret 62/63		
B583A 1-37-4 /BK. 2 , CP231 x Dima 2941 7/22						3709
		(15 egr) -3	14	36		
✓ 8/12	"					3710
B583A 1-63-3-1,2-1 2943 8/3						3711
		(5 egr) 2	(54 I/H) / 84 H -2			
✓ 8/2	"					3712 Pan Hv
✓ 8/2	"		-3			3713
	"					
2944 7/31	v uniform row					3714 Pan Hv
		(5 eg)	(54 I/H) / 83 H			
✓ 8/1	"					3715
✓ 8/1	"					3716

take 371 Sed al

all A1-63 lines much alike, v good,

E/D/MN/MS, V good pl

		Str. Hd HB	Iod/Alk 62 63	Biuret 62 63
3717	B5-83A1-63-3-2Bk-4, cP231xDIMa 8/1	(Sogr)	29	2946 29
3718	" 7/31			✓
3719	" 7/29			✓
Pan Thr	like 3714 but taller,			
3720	Blt 50, ck. 2n boot 7/31			
3721	B583A1-63-3-2BK-2-1 7/29	(0) 2	(29-I) 37 H	2950
3722 U	" YE/D/N/S		-2	✓
Pan Thr SNP	Short lat. v good type earlier than 3714 stal extreme top short lat, unanim tassel long			
3723	"		-3	✓
3724	B5813A1-15-2-3-1, Y 8/6	(5)	15	2956 30

Str. Hd / Lod/Hk / Biuret

HB / 62/63 / 62/63

B583A1-15-2-3-1;2 CP231 x Dima

3725

Pan

(5) / 15 / I / 30 / SNP

-3

3726

B583A1-15-2-3-4;1

3727

Pan

(6) / 15 / I / 31

-2

3728

Pan

-3

3729

B584A1-6-3-1;3-1 BB750 x Jojutla

3730

Pan

(5) / 19 / I / 26 / SNP

3731

Pan

SNP

(straw + gold)

-3

3732

Pan

SNP

straw

		amylograph / amylose	Str Hd / HB	Iod 62 / 63	Buiret 62 / 63
3733 Pan✓	B584A1-13-2-1,.' 7/16S			BB150 x	Sojutla 300
		(+240) / (29.8)	(5) / (Segr)	20 /	24 /
3734		"	-2		✓
3735		"	-3		✓
3736 Pan✓ Hv✓	B584A1-13-2-2,-2-1 7/20				3007
			(5) / (Segr)	24 / I	26 /
3737 Pan✓ Hv SWP			-2		✓
3738 Pan✓ Hv✓			-7		✓
3739	B584A1-13-2-2BK-2, 8/1				3009
		(+240) /	(5) / (Segr)	(23) /	. /
3740	Nato, ck. 7/14				

Low lf/area
Too tall

E/D/N/I Shatt[illegible]
Ripe 8/14 med short lt, V fine
thread, " fair straw spread "
leaves but slow tillering + good
straw strength, low lf/area

		Amylograph / amylo	Str. Hd / HB	Iod / BK 62 / 63			
3009	B584A1-13-2-2BK-2 8/1 Shortest ht, sturdy, fairly good BBt type				BBt50 x JojutLa		3741 ↘ Par
✓ I/MD/I/I+		(+240) /	(S) / (Segr)	(23) / 18 I		SNP	I
		〃					3742
3019	B584A1-13-2-4, 7/25S		(S) / (S)	27 /	25 /		3743 ↘ Par
✓ 7/16S		〃					3744
✓ 8/3		〃					3745
3022	B584A1-13-2-5, 1 7/20S	+240 /	(MS) / (S)	26 / I	22 /		3746
E/D/NT	low [illegible], low tiller, loose (S)	〃	-2				3747 ↘ Par
✓	[illegible] appearance. Fair (5)	1	-3				3748
		dark brown					

		Agraph / AMYLO	Str. Hd. / HB	Iod/alk 62/63	Bruinst 62/63	
3749	B584A1-16-5-2 7/18 (S)		.1	BB450 ×	Jojutla	3025
				(20) /		
3750 Pan ✓ Hr ✓	(S) Some fairly good BBS pl types	"	.2			✓
3751	(S)	"	.3			✓
3752	B584A1-16-5-2 7/5 S					3027
				(20) /		
3753	" (S) Tall, has BB types					✓
3754	" (S)					✓
3755 Pan ✓ Hr ✓ SMP	B584A1-16-5-2BK-2-1 8/1 much like 3757 adv'n 1964	(+400) (+390) / (31)	(215) /	(25) / 24 I		3028
3756 ✓ Pan Hr	8/k BBl maturity, taller + later than 3757	"	~~-0e~~	-2		✓

	A graph / AMYLO	Str. Hd / HB	Iod/BAK 62/63	B.i.no 62/63		
B584A1-16-5-2BK-~~2~~-3, BB4 50 x JojuYLa 3028 8/3 an excellent BBt type row, grow in 1963 [illegible] ripe when [illegible]	(+400 +390 / (31.)	(MS) /	(25) / 18 I	Extra 2YN	SNP	3757 Par Hv
B584A1-16-5-2BK-1-1 3031 8/1	(+400 +390 / (31) 11	(MS) / (2)	(25) / 16 I -2		SNP	3758 Par Hv
✓					SNP	3759 Par Hv
CP 231, ck 22						3760
B584A1-16-5-2BK-1-3 3031 7/31			17 I		SNP	3761 Par Hv
B584A1-21-1-3-2-1 3036 7/24	(+290) / 11	(S) /	41 / -2	28 /		3762 Par Hv
✓			-3		SNP	3763 Pa Hv
✓	11 M E / I / MN / S		34 I			3764 Pa Hv

Rather fine tillering & vel. spread
excellent BBt type [illegible] 8/1

do not bulk

el 3 alikes ripe 8/16
V short but str unifm – 1 for bread
Check A graph
smaller

		Agraph / Amylo	Str. Hd / HB	Iod/Alk 62 / 63	Biuret 62 / 63	
	B584A1-30-3-1-1-1			BB+S4	x Jojutla	
3765 Pan	7/25 (S)					3064
	E/I/I/I Ave sl taller than desired lvl (S) fairly good pl types (S)	(+140) / (28.6)	(MR) / (S)	(21½) /	27 /	
3766		"	-2			✓
3767 Pan Hw ✓	(S)	"	-3			✓
	B584A1-30-3-4-2-1					
3768 ✓Pan Hw	7/31 Fairly good BB+ types					3071
		(+140) / (28.6)	(S) /	21 /	30 /	
3769 ✓Pan		"	-2			✓
3770		"	-7			✓
	B584A1-34-1-1BK-1					
3771 Pan Hw ✓	7/31 check good (A graph) E/M/I/I - low tillering like 3773 V good prod' row	(S) / (6)		14 /	25 /	3023
3772 ✓Pan	7/30	"	-2			✓

e to c 0, good

	Agraph / AMYLO	Str. Hd / HB	Iod / Hk 62 / 63	Biuret 62 / 63	
B584A1-34-1-1BK.3				BB750 x	Jojutla
3073 7/31					3773 Pan
V good med bit mush too thick	(5)		14	25	
B584A1-42-2-1-1					
3079 7/30					3774
	(Seg Rds)		24	25	
7/18 V fast filtering	"		-2		3775 Pan
7/30 V fast filtering	"		-7		3776
B584A1-43-2-1BK.1					
3082 7/15S					3777
	(Rds) (3)		35	24	
	"		-2		3778 Pan
	"		-3		3779
	Blt 50, ck.				3780

		Agraph / Amylo	Str. Hd / HB	Iod/Alk 62 / 63	Biuret 62 / 63	
3781	B584A1-43-3-2, 7/16	(+90) / (33)	(R+S) /	21 /	19 /	BBt50 x Jojutla 3101
3782		"				✓
3783		"				✓
3784	B584A2-24-3-1;2-1 7/22	(-80) / (27.2)	(R) /	7 /	30 /	3103
3785		"	- -2			✓
3786		"	-7			✓
3787	B584A2-75-3-1, 7/65	(+210) / (320)	(R) /	38 /	20 /	3144
3788		"				✓

3785 Pan JP Thr S

orig pot BBt50 check good.
Look like BBt plants, but sl earlier

[illegible]

3788 Pan ✓ Hv ✓

Good Pan + gr. yield Jojutla gr type
Tall profuse shattering, low tiller

	A graph amylo	Str. Hd	Sol/Mk 62/63	Burned 62/63	
B584A 2-75-3-1,			BBtSo x Jojutla		
3144 7/16S					3789
	(+210) (32)	LR	38	20	
B584A 2-75-3-4,					
3150 7/20					3790
	(+210) (320)		(22)		
	"				3791
	"				3792
B584A 1-6-1,					
3157 7/26					3793
			(26)		
	"	-2	B		
7/28					3794
Shorter fat thin stems, a good plant type ME/MI/I/I low Tiller type					Car Ker
	"	-3			
7/26					3795
Fasting good BB type					Pan
			39 I		
B584A 1-13-2,					
3168 7/28					3796
	(High)		13		

	~~Agraph~~ / AM4LD	Iod/AM4 62/63	Biuret 62/63	
3797	B584A1-13-2, 7/27S	BB750	x Jojutla	3168
	~~(High)~~ "	13		
3798	7/27S			
	B584A1-19-3,			
3799	7/27S R/Co			3175
Pan		16		
3800	Nato, ck. 7/18			
	~~B584A1-19-3,~~			

			Iod/AAK 62/63	
B584A1-19-3, 3175 7/1			BBt50 x JojutLa	3801
			13	
✓ 8/1	"			3802
B584A1-22-3 3178 7/30				3803 Pan
		(22)		
✓ 7/25	"			3804
✓ 7/30	"			3805
B584A1-52-3, 3219 7/23				3806 Pan
		13		
✓	"			3807
✓	"			3808

Fast dead

fast drying stems

break at nodes

Extreme tilt) climbing & bran

✓ kill

		A graph / AMYLO	HB	Iod / Alk 62 / 63	Biuret 62 / 63	
3809	B584A1-33-3. 7/245			B8+50 x Jojutla 18		3223
3810		11			✓	
3811		11			✓	
3812 2 Pan Hr	B584A1-13-2-1-1-1 check A graphs	(+240) / (29.8) (29)	(2)	26	24	3224
3813 Pan Hr		11	-2		✓	
3814 Pan Hr	1 Sturdy stem all tallest fan pl types,	11	7		✓	
3815	B584A1-13-2-1-2-1 7/19	(+240) / (29)	(4)	31		3232
3816 E/D/II/T+	lower leaves opposed + dark, long, white, sturdy, Tall,	11	-2		✓	

Agraph / amylo | HB | Iod/ast 62/63 | Biured 62/63

B584A1-13-2-1-2-3 BBT50 × Jojutla

3232 7/4 — 3817 — Pan

(+240) (29) (4) 31 — SNP

B584A1-16-5-2-1-1

3233 8/4 — 3818

(+390) (31.0) (6)

11

8/4 — 3819 — Pan

19I

CP 231, ck. — 3820

B584A1-16-5-2-1-3

3233 8/4 — 3821 — Pan

SNP

B584A1-16-5-2-2-1

3234 — 3822 — Pan

(6) 22

11 -2

3823

11 -7

3824

		A graph / AMYLO	Str. Hd / HB 7	Iod/Alk 62 / 63	Biuret 62 / 63	
	B584A1-16-5-2-1			BBt50 x Jojutla		
3825 Pa ✓	7/29					3239
		(+390) / (31.0)	(7)			
		"	-2			
3826 Pa	7/21					✓
			-3			
3827 Pa Hr ✓	7/21					✓
				14 I		
			.8.1			
3828 Pa Hr ✓	7/21					3241
		(+390) / (31.0)	(7)	13 I		
		"	.2			
3829 Pa Hr ✓	7/21					✓
				19 I		
		"	.3			
3830	8/1					✓
	B584A1-42-2-1					
3831	7/22					3246
			(6)			
		"				
3832	7/22					✓

all fair BBxd pl types, leaves droop, good
straw, rather long culms,
are BBxBt not as tall as
3822-24

	Agraph / AMYLO	Str. Hd. / HB	Iod/HK 62/63	Biuret 62/63		
B584A1-42-2-14-3 3246 7/24				BBt 50 × Jojutla		3833
3247 7/19	"	(6) -5-1				3834
	"	(6) -2	36	25		3835
	"	-3				3836 Pair
B584A1-43-2-1, 256 8/5						3837 Pair
	"	(7)	15		SNP	Ho 3838
	"					3839
8/4	Bult 50, ck.					3840 HF

E/D/m/I– 8/5
med short lit, Jojutla bulb type
excellent BBt plant type

		Agraph/AMYLO	str'ld/HB	Iod/Alk 62/63	Biuret 62/63
3841	B582A1-15-2-4Bk. 7/20	(+540)/(35.6)	/	C P231 x Sojat 31/	3284
3842		"			✓
3843		"			✓
3844 Pan Hr ✓	B582A1-36-2-1,-1+1 7/15 Early shatters, sl willowy stem, good gr yield!	(+260)/(32.0)	/	21/	3303 27/
3845 VE/D/MN/I-		"	-2		✓
3846		"	-3		✓
3847	B582A1-41-1-3, 7/24			89/	3324 28/
3848 Pan	7/22	"			✓

Agraph / AMPLO | Str. Hd / HB | Iod / Bik 62 / 63 | Biured 62 / 63

B582 A1-41-1-3, cp231 x Jojatla

3324 7/27

3849 Pa

89 28

B582 A1-41-4-2-3-1

328 7/29

3850 Pa

" -2

3851 Pa

SMP Mn

" -J

3852

(15/I) 14 I

B582 A1-41-4-2-4-1

329 7/29

3853 Pa

" -2

3854 Pa Mn

11 I

" -J

3855 Pa Mn

12 I

" -5-1

3330

3856 Pa

(4) (17 I on H) 9 I

Check A Graph

		Str. Hk. / HB	Ind / HK 62 / 63	Bind 62 / 63
3857	B582A1-41-4-2-52 C 7/28		P231 ×	Tojutla 3330
		(4) 3	(17 IonH)	
3858	"			✓
3859	"	-8-1		3333
			67	33
3860	Nato, ck. 7/18			
3861	B582A1-41-4-2-8-2 7/29			3333
3862	" 8/ Compact plant type check A Graph			✓
3863	B582A1-41-4-3 BK-2-1 7/18	R(3)		3336
		(1)	(23 IonH)	
3864	" 7/18			✓

	A graph / AMYL	Str. Hd / HB	Iod / Bit 62 / 63	Biuret 62 / 63	
B582A1-41-4-38K-2			3	CP231 x Jojutla	
3336 7/14 S					3865 Pan
		(1)	(23 I on H) / 45 (I on H)		
B582A1-49-4-1 -1					
3339 7/14 (S)					3866 Pan Mr
	(+470) (33.6)	(5)	18	29	
	11				3867 Pan Mr
					3868
B582A1-49-4-2 -1					
3342 7/18					3869 Mr
	(+470) (33.6)	(5)	(15)		
	11		-2		3870 Pan Mr
			-3		3871 Mr
B582A1-15-2-1					
3354 7/17					3872
	(+420) (35.6)	(5)	25	24	

Agraph / AMYLO | Str. Ht. / HB | Iod / Alk. 62 / 63 | Biuret 62 / 63

3873 B5-82A1-15-2-1 CP231 x Jojutla 3354
7/17
(+420) / (35.6) (5) 25 24

3874 Hu ✓ " ✓
V few threads
Good HO
Save him but too tall & wk stem

3875 B582A1-15-2-4BK-3 9142
7/20S
(1) 28

3876 " ✓

3877 " ✓

3878 B589A2-4-3-1,1 BB+59/2 x Gulfrose 3382
~~3382~~
3382
8/
(MR) / (1) R (16/I) (I)

3879 Pan ✓ " .2 ✓
8/3
bad for BB+ht [illegible]

3880 CP 231, ck.
7/23

A graph / AMYLO Str. Hd / HB Iod/Alk 62/63

B589A2-4-3-1 · 3 BB+50/2 x Gulfrose 3881
3382 1/2

(NR) / (1) R (16/I) (I)

B589A9-48-3-2 3882
35667/16 S

(sag) / (0) 93

✓ $ " 3883

Indic

✓ " 3884
Pan

B589A18-29-2 3885
3618 1/2

R / (16) (17 low) (L) / 8 L

✓ " 3886
Pan

v. short ht, v. uniform & long
v. good

all av long-grain, partly dry

✓ " 3887

3623 " 3888

+t m C O

R / (seg) S 25/I

		Sat. Hd / HB	Iod / Hk 62 / 63	Biuret 62 / 63	
3889	B589A18-29-3-2-2		BB 50/2 x 6 u/A ros		3623
		(R) (Sag) S -3	25/I		
3890	"				↓
3891	B589A18-33-3-1-1				3628
		(R) (Sag) (5) -2	(10 low) 15/L		
3892	"				↓
3893	"	-3			↓
3894	B589A18-37-1-3				3636
		(R) (Sag 1) R	57 L		
3895	"				↓
3896	"				↓

St. Hd / HB   Iod/AIK 62/63   Biunell 62/63

B589A 18 - 52 - 2 - 2, -1   BB4 5½ x 6ul frose

3649

3897

7/12

✓ Pa

R / Sy 11   (R) / (Sey) TR   23(I/L) I   35

-2

valuable, v. good

Best of the family

3898

✓ Pa

SNP ✓ Hv

I/L

-3

11

3899

✓ Pa

SNP ✓ Hv

L

Blt 50, ck.

3900

✓ Hv

	Blast R-1 / R-6	Str Hd / HB	Iod / AK 62 / 63	Burst 62 / 63
3901	B589A18-71-1-1 7/15		BB/50/2	x Gulfrose 3664
	(S) (R) 41	(R) Seg (O) R	5/(4)	38
3902	〃			〃
3903	〃			〃
3904	B589A18-71-1-3,			3666
	(S) (R) 〃	(R) Seg beg	45	
3905	〃			〃
3906	〃			〃
3907	B589A18-71-2-5, 7/29			3668
		(R) Seg (R)	(52 low)	
3908	7/28 〃			〃

Str. Hd / HB
Iod/Alk. 62/63
Biuret 62/63

B589A18-71-2-5 BB450/2 × 6ulfrose
3668. 7/30 3909

Ⓡ/(Seg) (R) (52/low)

B589A18-71-2-3-1
3672 7/28 3910

Ⓡ/(Seg) ±R₃ 50/L

" -2 3911
Par
Hr

Violent [illegible]
5 to 6 (virulent)

" -3 3912

SNP Hr

B589A18-77-2-5,
3674 8/1 3913

Ⓡ/(Seg) (B2 I/H?

" 8/3 3914

" 8/1 3915

B589A18-77-3-3,
3678 7/26 3916

Ⓡ/(Seg) 5 19/I 29

			Str. std / HB	Tod/Atk 62 / 63	Biuret 62 / 63	
3917	7/27	B589A18-77-3-3,		BB† 50/2×60 Frost		3678
			(R) (Seg) S	19	29	
3918	7/29	"				✓
3919	7/27	B589A19-20-1,				3684
			(R) (Seg)	(16-I)		
3920	7/17	Nato, ck.				
3921	7/27	B589A19-20-1				3684
3922	7/27	"				✓
3923	7/14	B589A19-36-2-1,				3702
			S* R	(R) (Seg) R	26 I	41
3924	7/14	"				✓

		Str. Hd./HB	Iod/Alk 62/63	Biuret 62/63		
B589A19-36-2-1,				BB+50/2	x Sulfrose	3925
3?027/16						✓Pa
early, tall rows, G.R. pa drop						
		Ⓡ/(Seg) (0)	26	41		
B589A19-75-2-4,						3926
3?17						✓Pa
7/29 (Seg R & S to CO)						
		(MR)(R)/(Seg) S	21	29		
✓	"					3927
✓	"					3928
S to CO						
B589A19-75-2-6,-1						3929
3?19 8/2						Pa
		(MR)(R)/(Seg)	(17/I) / 11 I			
✓		"	-2			3930
✓		"	-3			3931
R to CO						
B589A19-75-2-2,-1						3932
3?22 8/1						
		(MR)(R)/(Seg) ~~(R)~~ S	19/I			

		Str Hd / HB	Iod / Alk 62 / 63	Biuret 62 / 63
	B589A19-75-	2-2;2	BB450	xGulfrise
3933	7/21			3722
		(MR)(R) (Sg) (B) -3	19/I	
3934	7/30 "			3723
	B589A19-75-3-4,			
3935	7/28			3724
		(MR)(R) (Sg)	21/I	
3936	7/21 "			3724
3937	"			✓
	B589A19-75-3-5;1			
3938	7/31			3725
		(MR)(R) (Sg) (Mg) -2	18/I	
3939	"			✓
3940	7/22 CP 231, ek.			
			46 (I-H)	

Str Hd / HB | Iod/Mk 62/63 | Biuret 62/63

B589A19-75-3-5, -3 BB150/2 x Galfrose

3725 — 3941 ~Pan

7/31 Excellent BB150 now CO=+

(MR)(R) (32) — 18/I

B589A19-75-3-3,

3729 — 3942

7/31

(MR)(R) (7) — 22/I

11

3943

11

3944

B589A19-97-3-2, -1

3734 — 3945 Pan

7/25

(MR)(R) (1) — 1R — 13/I — 31 — SNP

11 Sy -2

3946

7/29

11 -3

3947

7/26

B589A21-89-1-2,

3813 7/27 — 3948

(R) — 81

		St. Hd / 2HB	Iod / Alk 62 / 63		
	B5-89A21-89-1-2, BBt50/2 x Gulfrose				
3949 Pam	7/27 very leafy [illegible]	Ⓡ / (Seg) (3)	81 /		3813
3950	7/2 "				✓
	B589A30-14-4-1				
3951	0/1	(MS) / (1) R-2	17/4 /		3866
3952	"				✓
3953	"				✓
	B589A30-21-1-2-1				
3954 Pam	7/26 Same med-gr.	⑤ / (2)	20 / ✓		3870
3955 Pam	" less CO than others leafy, med short ht.	-2			✓
3956	"	-3			✓

		Str. Hd / HB	Iod/alk 62/63	Biuret 62/63		
3871 7/26	BS89A30-21-1-3,		BBt50/2 x Gulfrose			3957 ✓ Pan
		(S)/(2)	(Slow)			
✓	"					3958
✓	"					3959 Hv
	check brewing reaction,					
	Blt 50, ck.					3960
3876 7/28	BS89A30-25-2-1,					3961
		(MS)/(2)	17	36		
✓	"					3962
✓	"					3963
3902	BS89A30-37-2-2, 19					3964 ✓ pan
		(S)/(0) day	22 I	35		

short lift, [illegible]

VS Z CD

To Lill

MS Z CD

8/1 good yeast [illegible] [illegible] [illegible] [illegible] [illegible] PBst

		Str. Hd / HB	Iod/Alk 62 / 63	Biuret 62 / 63
3965 ✓ Pam	B589A30-37-2 8/	- 2,-2	BB+50	/2xGulfros 3902
		(5) / (0) ag -3	22	35
3966	"			✓
3967	B589A30-46-1 8/			3909
		(MR) / (3ag)	(14 low)	
3968	"			✓
3969	"			✓
3970	B589A3~~1~~-35-5-2BK-3-1 7/18			4037
		(R?) / (0) R	29 / 11 H -1	35
3971 Pam Hr ✓			MS to	✓
JNP 3972	"		-3	✓

shttle, gd
all 3 alike, good
V shattlt, like #3 in LtYN
V good, adv

A graph / AMYLO	Bleed / R-1 / R-6	Str. Hd / HB	Ind / AHK / 62 / 63	
B589A3-50-1-2BR-2, BB&So x Gulfrose				
4049 7/29				3973
	(VS) / (R) R-2 / (MR) / (1)		20	
	"			3974
	"			3975
B589A3-50-1-4-7-2,				
4052 7/27				3976
	(VS) / (MR)	(R) / (0) R	25/I	
	"			3977 Pan
Too Wet	"			3978
B589A3-82-1-2-7-5				
4074 7/29				3979
(+80) / (37.2)	(VS) / (MR)	(R) / 2	20/I	
7/16 Nats, ck.				3980

Too Wet
Too Wet

	Agraph / AHyLO	Black R-1 / R-6	Str Ha / HS	Iod 62 / AHF 63	
	B589A3-82-1-2-7-5,			BB+50	½×bulfrog 4074
3981	7/29				
	(+80) (27.2)	(VS) (SuR)	(R) (Log) 2	20/I	
	"				
3982	7/28				⌐
	B589A3-82-1-2-7-3,				
3983	7/29 Check Agraph Prob not 7 Comm bodies				4078
	(+80) (27.2)	(VS) (SuR)	(R) (Log) R	20/I	
Hv	"				
3984					⌐
3985	"				⌐
	B589A3-82-1-2BK-4-				
3986	7/29				4079
	(+80) (27.2)	(5*) (R)	(R) (Log) R	I	
	"				
3987	7/29		-4		⌐
Pan ⌐					
3988	"		-3		⌐
			R to C 0		

Agraph / AM&LO | Blast / R1 / R-6 | Str. Hd / HB | Ind / 62 / BHK / 63 | Biaxial / 62 / 63

B589A3-82-1-2B-6-1, BB150/2 x Gulfrose

#082 7/28

3989

(+80)(21.2) (5*)(R) (R)(5-8)R 24/I

11 -L

3990

11 -3

3991

B589A3-82-3-2-7-5.1

#106 7/30

3992

(+80;+20)(28.6;26.4) X (1.5) (50) 11 (NS)(30)R (18/I) 11/I

-L

3993

shoulder hot peak

11 -7

3994

B589A3-82-3-2BK-1

#114

3995

+80;+20 / 28.6;26.4 S 50 11 (NNS)(60) R 16/I 35

3996

check hot peak

	Agraph / AMYLO	Black R-1 / R-6	str. Hd / HB	Iod / AMK 62 / 63	Biuret 62 / 63
3997	B589A3-82-3-2		BK-1,	BB250/2	×Gulfrose 4114
	7/30				
	(+80; +20) (28.6; 264)		(MS) (O)	16/I	35
3998	B589A3-82-4-1-9-3				4126
Pan	7/31 check hot peak				
Hw ✓		(S) (R)	(MR) (O) 1	24/I	32
3999	8/1	"			✓
4000	CP 231, ck.				
	7/22				

Agraph / AMYLO — Str. Hd / HB — Iod / Alk 62 / 63 — Biuret 62 / 63

B589A3-82-4-1-9-3 BB+50/2 x Gulfrose
4126 7/25
4001

(MR) / (a) 1 — 24/I — 32
B589A3-82-4-4 BK-3
4129 v long grain
7/20
4002
Pan
Hu

S / R — Ⓡ (peg-3) / ″ (sag) (0) — R — >6
4003

″
4004

B589A 3-86-1-4-BK-3-1
~~B589A3-86-2-2 BK~~
4133 7/21
4005

(peg) / (sag) — S (26/I)
″ — -2
v short ht, early, good type.
7/21 check. Not peak
4006
Pan
Hu

″ — -3
4007

B589A3-86-4-1 BK-2-1
4142
4008

+280; +140 / 29.4 — (sag) / (S) — 25 I/2 (I)

	Agraph / AMYLO	Blast R-1 / R-6	Str. Hd / HB	Iod / Alk 62 / 63	Bicart 62 / 63	
4009	BS-89A3-86-4-1BK-~~2~~, BB/50/2 × Gulf rose 7/23 +280; +140 / 29.4%		(seg) / (S)	25(I/L/H)		4142
4010 Pan Hv ✓	″ check hot peak, rather tall			-3		✓
4011	″			-4		✓
4012	″			-5		✓
4013 Hv ✓	″ check hot peak			-6 15 I		✓
4014	BS89A3-~~86-4-2BK~~ 4-23-1-1-BK-1-1 7/28 (S*) / (R)		(seg) / (seg)(O)	(59) I/H? 58 I/H		4172
4015 ✓ Pan Hv	″			-2		✓
4016	″			-3		✓

5 to C

R 70C°

Probably taller than 1800

Production

Blast
R-1 / R-6 | Str. Hd / HB | Ld / Mk 62 / 63

B589A9-1-2-4BK, BBtso/2 x 64Rrose 4017
4312
7/21

(3) / (3) 11 | (R) / (R) (2) | 24/I

4018

11

4019

Xbkt 50, ck. 4020
8/4

B589A9-6-6-4BK-1-1 4021
4332 7/21

(109) / (5) R | (10/I) -2

11

4022

11 -3

4023

B589A21+28-5+4BK-3, 4024
4541

(R) (5) / (109) (4) | (21/I)

	Blast R-1/R-6	St. Hd/HB	Iod/Alk 62/63		
4025 √ Par	B589A21-28-5-1BK-3, BB+50/2 x Golfrose 7/21	Ⓡ(S)/(50g)(1)	(21/I)		4541
4026	"				✓
4027	B589A29-26-4-4BK-2, 7/21	Ⓡ(S)/(50g)(1)	25		4568
4028	"				✓
4029	"				✓
4030	B589A2-4-1-3BK 7/25				4570
	(S)/(R)	(R)/Ⓡ(1) S	54		
4031	"				✓
4032	"				✓

Too willowy

MR to 80

all leaves drop large

stems, unusual pl type

1s

1st	Full Ripe / 2 Blast R-6	str Hd / HB	~~Zod~~/Alk 62 / 6~~2~~	Biuret 62 / 63	
4571 B589A3-50-1-4BK-1,		(MR) / (0) Sey	BBt 50/2 24/I	y Gulf rose	4033
leaves tend to drop	(5*) / (R)		-2		4034 Par Nr
	"		-3		4035
4577 B589A4-23-1-1-7-1, 1/28		(MR) / (2)	(53) (H/I)		4036
Too tall	"				4037
	"				4038
4578 B589A4-23-1-1-7-2-1 7/27 MR to C excellent		(MR) / (1) R	20/I all 2x1 20	SNP	4039 Par Nr
	Nato, ck.				4040

		Blast R-1/R-6	Str. Hd/HB	Iod/Alk 62/63		
	B589A 4-23-1	-1	-7-2	-2		
4041 Pan Hv ✓ SNP	7/27 MR to C.O. excellent BBt rows					4578
			(MR)/(1) R	20/I all 3x1		
4042		"		-3		✓
		(VS)/(R)	Ⓡ/(0)	11/I		
	B589A 18-21-2	-2	-7-1			
4043 Pan Hv ✓	7/25 much BBt type Pan blight short ht, V good stem bad for C.O.					4624
		(VS)/(R)	Ⓡ/(0) R	11/I		
4044		"				✓
4045		"				✓
	B589A 18-21-3	-3-7,				
4046	7/24 V short ht, otherwise like 4043					4625
	~~B589A~~	(VS)/(R) "	Ⓡ/(0)(0) S	22/I		
4047 Pan Hv ✓						✓
4048		"				✓

	Blast	Stk. Hd	Jod/lack	
	R-1 / R-b	HB	62 / 63	
B589A19-97-1-2-7, BBt50/2 x Gulfrose				
46267/30				4049
	(S) (R)	Reg (R) (1)	(B) (1)	
		11		
↳				4050
Two tall				
		11		
↳				4051
B589A4-23-1-1,				
47247/30				4052
	(S+) (R)	Reg Reg (2)	69	
		11		
↳				4053
V tall white				
		11		
↳				4054
~~B589A~~		11		
47267/30				4055
	(S+) (R)	Reg Reg (2)	(59 1/2)	
		11		
✓				4056

4057	B589A4-23-1-1, BB 1/2 x 6 Gulfrose 7/30				4726
4058	B589A9-1-5-3, 7/29 Pan				4932
4059	"				✓
4060	CP 231, cl.				
4061	B589A9-1-5-3 1 1/2 L				4932
4062	"				4933
4063	"				✓
4064	" Stucco				✓

Blast R-1 / R-6 | Str. Hd / HB | Iol/AHK 62/63

B589A9-29-4-1-4-1 BB+SO/2 x Gulfrose
051 7/25 4065

(R*)/(R) (seg?)/(0) (29 I/U) I

" -2 4066

Pan Hu SNP

" -3 4067

MP & CO
no blight [illegible]

B589A9-29-4-1-6-1
053 7/21 4068

(R*)/(R) (seg)/(0) (29 I/U) I

" -2 4069

Pan Hu SNP

" -3 4070

B589A9-29-4-1-7
054 7/21 S 4071

(S)/(R) (seg)/(0) (29 I/R)

" (S) 4072

	Agraph / Blast R-1 / R-6	Str Hd / HB	Iod / Hk 62 / 63	
4073	B589A9-29-4-1-7, BBt50/2 x Gulfrose 5054 8/8			
	(S) / (R)	(sag) / (O)	(29 I/N)	
4074	B589A9-29-4-1-8, 7/22 (S)			5055
	(S) / (R)	(sag) / (O)	(36/I)	
4075	8/8 " good Bbt row			↓
4076	7/20 "			↓
4077	B589A18-21-5-1-4, 7/25			5171
	(+90) / (VS) / (R) "	(R) / (R) (63)	(19/I) / 12 I	
4078				↓
4079	"			↓
4080	Bbt 50, ck. 8/4			

Variant hill
S x E C D

Blast / Str. Hd / Ind/ank
R-1 / R-6 / HB / 62 / 63

B589A19-97-3-3-4-1 BBt50/2 x GulFtose

5206 7/26 — 4081

(5*) (R) / (MR) (2) / (15/I)

11 -2

4082

11 -3

4083

B589A21-52-3-1-1-1

5272 7/25 — 4084

(VS) (34R) / (R(S) (1) / (50 (I/H)

11 -2

4085

11 -3

4086

B589A29-26-4-4

8376 7/28 — 4087

(R) (1) Pmole R / 10°

11

4088

		St. Hd / HB	Ind/ack 62 / 63	
4089	B589A29-26-4-4, BB150/2 x Gulfrose 7/28			8376
		(R) (R) pinkR	26	
4090	B589A19-97-1-1-1, 7/20			9031
			17/11	
4091	"			✓
4092	"			✓
4093	B579A2-45-2-7-1, BB150 x Gulfrose 7/27			5279
		(MS)	(46) I	
4094	"	-2		✓
4095	"	-3		✓
		(MS)	(46)	
4096	B589A2-45-2-7-2-1			5381
		(MS) R	(46)	

Str. Htg / HB | Lod/alk 62/63

B579A2-45-2-7-2-2BBt50 x GuLArose 4097

5381, 7/20

(MS) R (46) -3 SNP

4098

B579A2-45-33-17-3, 4099

5483 7/20

(S) (R) S 44/4

Nato, ck. 4100

		Str. Hd / HB	Tool/all 62/63	
4101	B579A2-45-33-17-3		BBt50 x	Gulfrose 5485
4102	"	S R GOS	44/4	✓
4103	B579A2-4-1P-2P-8P			9763
4104	"		56/H	✓
4105	"			✓
4106	B579A3-20-4P-1P-1P			9765
4107	"		35	✓
4108	"			✓

Pan

str. rd / 2B
Ind/ach 62/63

B579A2-9-2-4P-2P, BBt50 x Gulfrose
9808 7/2 4109
(R) 32 L

✓ 11 4110 ✓Pan

✓ 11 4111

V tiny thin straw & leafy, GR droop.

S x ~~7~~ CO

B579A2-9-2-5P-1P,
98[1]1 8/6 4112
(R) 42

✓ 7/28 (S) 11 4113

later than BB3x R x CO

[illegible]

✓ 8/6 11 4114 ✓Pan

B579A2-11-3-4P-2P-1
9812 7/22 4115 ✓pan
(R) 10/I
-2

✓ 11 4116

earlier than 4115-16

		Str. Hd / HB	Load / Add 62 / 63	
4117	B579A2-11-3-4P-2P, 7/26 med bail, st workers		BB150 v	Gulfrose 9812
		®	10/1	
4118	B579A2-11-3-5P-2P, 7/22			9817
		®	(Iar H) 59 H	
4119	"			↓
4120	CP 231. ck.			
4121	B579A2-11-3-5P-2P 7/22			9817
4122	B579A2-13-1-5P-1P, 7/22			9825
		®	364/H (1-23)	
4123	"			↓
4124	"			↓

			str. Hd / HB	Iod/ad 62/63		
9832 7/22	B579A2-13-1-6P-3P BBtsg x Gulfrose		Ⓡ	45		4125
✓		"				4126
✓		"				4127
9836 7/22	B579A2-13-1-8P-2P		Ⓡ	38 (2-2x1) (L/I or L/H)		4128
✓		"				4129
✓		"				4130
9839 7/22	B579A2-13-1-8P-4P		Ⓡ	62 (H/LI 4-2X1)		4131
✓		"				4132

med tall, cottony

		Str. Hd. / HB	Ind/Gall 62 / 63	
4133	B579A2-13-1-8P-4P 7/22		BBtSO	x Gulfrose 9839
		®	62 (H&W 4-28)	
4134	B579A2-13-1-8P-5P, 7/22			9843
		®	HB (H&W 7-28)	
4135	"			"
4136	"			"
4137	B579A2-13-1-9P-1P 7/22			9844
		®	3K	
4138	"			"
4139	"			"
4140	~~Bkt 50~~ ck 8/4			

Str. Hd / HB Ind/all 62/63

B579A2-19-2-3P-6P BBtso x Goltrose

9849 1/v2 4141

(R) 59

" 4142

" 4143

B579A2-19-2-4P-1P-1

9852 1/v2 4144

(R) 20 I

" -2 4145

" -3 4146

B579A2-19-2-4P-4P-1

9853 1/v2 4147

(R) 29/I

" -2 4148

SMP

		Str. Ha / HB	Iod/alk 62 / 63	
4149	B579A2-19-2-4P-4P, 7/22		BBtso x Gulfrose	9853
		(R)	22/I	
4150	B579A2-19-2-5P 7/22			9855
			23	
4151	"			✓
4152	"			✓
Pan				
4153	B579A2-20-1-1P-2P, 7/22			9858
		(R)	21	
4154	"			✓
4155	"			✓
	To fall rations			
4156	B579A2-33-1-9P-2P			9859
Pan		(R)	34L	

Str. Hd / HB   Iod/alk 62 / 63

B579A2-33-1-9P-2P, BBt50 x Gulfrose   4157
9859 7/22   ✓ Pam

Ⓡ   34 L

"   4158
✓

B579A2-33-1-9P-3P,-1   4159
9862 7/26   ✓ Pam

Ⓡ   33 (I/H/[illegible])

7/2 Nato, ck   4160

B579A2-33-1-9P-3P-2   4161
9862 7/26   ✓ Pam

H

"   -7   4162
✓   ✓ Pam

B579A2-33-1-9P-5P   4163
9864 fog drop mottled, fair   ✓ Pam
7/26

Ⓡ   64 (L/I or H) 4:2x1

"   4164
✓

MR to C

str. ha / HB   Iod/alk 62 / 63

4165 B579A2-33-1-9P-5P, BBt50 x Gulfrose 9864
7/24
Pan

(R)   64 (½ I or H) 4:2X1 H

4166 B579A2-33-1-9P-6P, 9866
MRh CO
v good, BBl row
Pan

(R)   44 L

4167 B579A2-40-3-1P-1P 9868
7/22

(R)   40

4168 B579A2-33-1-9P-6P 9866

4169 " 9866
Top tall

4170 B579A2-40-3-1P-1P 9868
7/22

4171 " ✓
Top tall

4172 B579A2-40-3-1P-2P, 9870
7/22

(R)   48

Str. Hd / HB

Iod/alk 62 / 63

B579A2-40-3-18-2P, BB750 x Gulfrose
9870 7/23

4173

(R) 48

11

4174

B579A3-5-6-1P-1P, -1
9881 7/23

4175

(Sag) 57 L

11 -2

4176

11 -3

4177

B579A3-56-3P-1P
9883 7/24

4178

(Sag) 58

11

4179

CP231, ck.
7/24

4180

		str. Hcl / HB	Iod/alk 62 / 63
4181	BS79A3-5-6-3P-1P, BB750 x6 LF rose 7/25		9883
4182	BS79A3-5-6-3P-2P-1	(sag)	58 9901
4183	" -2	(sag)	56 ↓
4184	" -3		↓
4185	BS79A3-5-6-5P-1P,		9905
4186	"	(sag)	55 ↓
4187	"		↓
4188	BS79A3-5-6-5P-3P-1 7/24		9907
		(sag)	51

Str. Hd / Ind/alk
HB / 62 / 63

B579A3-5-6-5P-3P-1, BBt50 x Gulfrose
9907 7/24 — 4189 Pan

(seg) 51 / -3
" — 4190

B579A3-5-6-6P-2P
9907 7/24 — 4191 Pan Hu

(seg) 49
" — 4192

" — 4193

B579A3-5-6-6P-3P-1
9911 7/26 — 4194

(seg) 48 / -2
" — 4195 Pan

" -3 — 4196

		str. Hd / HB	Iod/alk 62/63	
4197	B579A3-12-3 7/27	-2P-1P (seg)	BBtso 48(L/H or H) 2-3x2:2-2x1	xGolfoo 99
4198	"			✓
4199	"			✓
4200	Blt SD 8/5	, ck.		

Too tall, willowy
dec.
5400

	Blast R-1 / R-6	Str. Hd / 4B	Iod ~~H~~ 62 / alk 63		
B572 5855 7/30	A1-6-2-3-1;1		PI 215936 x ~~CI 9214~~ (~~Hill Sel x 4112~~)		4201
		(MR) / Ⓡ R	10I or I/~~I~~		
	11	-2			4202 Pan
			I/≦		
	11	-1			4203
B572 5855 7/22	A1-6-5-~~4~~-6;1				4204 Hv
	(R+) / (R) 11	(R) / (seg) R	(11/I) / 10I	SNP	
5855		-2			4205 Pan Hv
			13I	SNP	
	11	-3			4206
			13I	SNP	Hv
B572 5863 7/30	A1-6-6-1,				4207
	(MR) / Ⓡ 11	(22/I) H?			
					4208

pr apex

Good pr. apics. & good rows clean for YD all can be bulked based on field app.

E/MD/N+/I

Too tall, stems discoloration [illegible]

str. rd / Ind / Mk
HB 62 63

4209 B572A1-6-6-1, PI 215,936 x CI 9214 5863

(MR) (R) (22/I) H'

4210 B572A1-6-14-A3-1 5874

(R) (5) (23) 57 H

4211 " -2

54 H

4212 " -3

75 H

4213 B572A1-6-14-2-1, 5877

(R) (1) (64/I?)

4214 "

4215 "

4216 B572A1-6-3-3P,-1 8854

R 25/I 25/I

Blast / Str. Hd / Ind/ail
R-1 / R-6 / 7B / 62 / 63

B572A1-6-3-3P,-2 PI215936 x CI9214 4217
885.47/26

25/I

4218

B572A1-6-5-1P, 4219
8856 7/23

62/H all 2x1

Nato, ck 4220

B572A1-6-5-1P 4221
8856 7/23

" 4222

B572A1-6-2-1P,-1-1 4223
1911 7/24

19/2

-2

" 4224

		Iod/ alk 62/63	
4225	B572A1-6-2-1P, PI215936 x CI9214 7/26		8911
		19/H	
4226	B572A1-6-6-4P-1P, 7/25		9767
		20	
4227	"		✓
4228	"		✓
4229	B572A1-6-6-4P-2P, 7/26		9769
		9	
4230	"	-2	✓
4231	"	-3	✓
4232	B572A1-6-6-4P-3P, 7/25		9771
		43/H	

5tr Hd / HB   Iod/Alk 62/63

B572 A1-6-6-4P-3P, PI215936 x CI9214
9771 7/25 4233

gold, tall

43/H

" 4234

B572 A1-6-6-4P-4P,
9772 7/25 4235

Tall, BBt, n spreading

53/H

" 4236 Pa

" 4237

B572 A3-47-10-1,-1
9973 7/28 4238

Ⓡ / ⓐ   4/I

" 2 4239

rough

Bbt 50, ck.
4/8 4240

		Str. Ha / HB	Iod/alk 62/63		
4241 Pam	B572 A3-47-10 7/28	-1, 3PI ® / (avg)	215936 4/I	x CI9214 9973	
4242	B572 A3-47-10 7/27	-2, -1	(I or I/H / 12 I	9974	
4243	" gold, rough	-2		✓	
4244 Pam	" straw, semi rough + smooth good full BBt grain	-3		✓	
4245 Pam	B572A3-47-10 7/31 Rough Short bt, long grain = bold	-4, -1	4/I 5=7x7=1-3x2	9976	
4246	"	-2		✓	
4247	"	-3		✓	
4248	B572A2-10-3 7/27	-1-2, ® / ® ①	71/H Reddish	5908	

	Blast R-1 / R-6	Str. Hd / HB	Iod/alk 62 / 63		
B572A2-10-3-1-2, PI 215936 x CI 9214					
5908	7/27				4249
		® / ®①	71/L Reddish		
5908	"				4250
B572A3-22-8-2-5;-1					
5933 7/22	(S)?				4251
	(R) / (R)	® / ⑪ Ⓑ R ®	15/W		
✓	" (S)?		-2		4252
✓	" (S)?		-3		4253 ✓ Pan
5933 earlier than others, uni 7/20 short ht, v good, fast ripening	"		-4		4254 ✓ Pan Hor
✓ 7/22 S	"		-5		4255
✓ 8/5	"		-6		4256 Pan Hor

v. short ht., good

erect pan, pink, fast ripening

all have erect pan, & are good

	Blast R-1 / R-6	Str. Hd / HB	Iod / Ads 62 / 63	
4257	B572A3-22-8-2-2,4 7/26 S		PI 215936 x CI 9214	5936
	(R) / (R)	(R) / (O)	(15/I/L)	
4258	8/5 like 4256, V good can be bulked with 4256	"	-2	✓
4259	7/26 S	"	-3	✓
4260	PI 215936, ck 7/31			
4261	B572A3-22-8-3-6;1 7/26 (S)?			5941
		(R)		
4262	(S)?	"	-2	✓
4263	(S)?	"	-3	✓
4264	B572A3-47-2-2-1;1 7/25			6016
	(S+R) / (S+R)	(R) / (R) (I) R	22/I	

Blast R-1 / R-2 | Str. Hd / HB | Ind/axle 62 / 63

B572A3-47-2-2-1,-4 PI215,936 x CI9314

6016 7/25

4265

SNP

11 -3

4266

(S+R) / (S+R) | ® ① R | 22/I

B572A3-47-2-2-2,-1

SNP

6018 7/27

4267

(S+R) / (S+R) | ® / ® ① | I or I/H

11 -2

4268

I/I

SNP

11 -3

4269

B572A3-47-2-2-4

6019 7/28

4270

® / ® (1) R | 18/I

11

4271

11

7/25

4272

SNP

		Blast R-1 / R-6	Str. Hd / HB	Iod/alk 62 / 63		
4273	B572A3-47-2-3~~2~~,-1 PI 215936 x CI 9214 7/25					6022
Nv SNP		(R) / (5+R)	Ⓡ / Ⓡ⓪	24/I		
4274	7/25	"	-2			✓
Nv						
4275	7/28	"	-3			✓
4276	B572A"3-47-2-3-3-1 7/28					6023
		(R) / 5+R	Ⓡ / Ⓡ⓪	(17-I)		
4277	7/28	"	-2			✓
Pan Nv SNP						
4278		"	-3			✓
4279	B572A3-47-3-1-2,-1 8/2					6026
			Ⓡ / Ⓡ	I/4		
4280	Nato, ck Rej. 8/12					

strain killed all like #265 et al good, [illegible]

Blast R-1 / R-6 | Str. rust / HB | Iod/alk 62 / 63

B572A3-47-3-1-2; 2PI 215936 x CI 9214
6026 8

4281 P.

Ⓡ / Ⓡ | I/L / 10 I/L
" | | -3

4282 P.

R ✓ C O
Excellent [illegible]

9 L
B572 A3-47-5-3-2; 1
2327/5

4283 Hv

(R) / (S) | Ⓡ / Ⓡ R | 8/L
" | | -2

4284 Pam

SNP Hv

" | | -3

4285

Hv

much stocky, [illegible]
4265 stat, V good, can be [illegible]
bulked based on field appearance

B572A3-47-5-3-3; 1
6033 7/29

4286

(R) / (S) | Ⓡ / Ⓡ | (12-low)
" | | -2

4287 Pam

" | | -7

4288

like 4/2 [illegible]
V. short [illegible]

		Blast R-1 / R-6	Str. Hd / 2H3	Iod / Ack 62 / 63	
	B572 A3-47-6-3-1-1 PI 215,936 x CI 9214				
4289	Shorter ht than B/Bd, al earlier V good MR to CO (E/D/M/I/I V good)	(S) / (R)	Ⓡ / Ⓡ	(11-I)	6034
4290 ✓ Pam Hr		〃	-2		✓
4291 ✓ Pam Hr SNP		〃	-3		✓
4292		A3-47-6-3-2-1			6035
		(S) / (R)	Ⓡ / Ⓡ	14/I all 2x1?	
4293	7/26	〃	-2		✓
4294 ✓ Pam Hr SNP	7/26. shorter ht & earlier than preceding, no smoother, much like 4298	〃	-3		
4295	e/1	〃			6036
		(S) / (R)	Ⓡ / Ⓡ	(11-I)	
4296	e/				✓

plast R-1/R-6 str. ht/HB Iod/ack 62/63

B572 A3-47-6-3, PI 215936 x CI 9214 4297

60368

(S)/(R) Ⓡ/Ⓡ (11-I)

B572 A3-47-7-1-1;1

60377 R6 short ht, rough, S to CO 4298

Short ht, sl earlier than preceding, rows v good √

(R)/(5dR) Ⓡ/(0) R 11 I/4/H

11 -2

√ 8/6 4299

a hybrid BBt 50 gr. short ht √

v good stand, rough, erect flags SNP

8/9 Blt 50 4300

check alk on most al of these ro

		Blast R-1 / R-6	St. Hd / HB	Iod 62 / 63	
	B572A3-47-7-1-1-3		PI 215936 x CI 9214		
4301 Par	8/12				6037
		(R) / (S+R)	Ⓡ / (0) R	11 3/4 H / L	
	B572A3-47-8-2-1-1				
4302 Par	8/10				6038
		(S) / 11 (S+R)	Ⓡ / (0)	15 / I	
			-2		
4303 Par Hr	8/9				✓
	"		-3		
4304 Par Hr	8/8				✓
	B572A3-47-8-2-2,				
4305 Hr Par	8/12				6039
SNP			Ⓡ / (0) R	L	
	" "				
4306 Par Hr	8/12				✓
	"				
4307 Hr	8/13				✓
	B572A3-47-9-2,				
4308	7/27				6044
				16 / I	

v broad green

later than BBt, v broad
green Tray as a
keep red, can be better

Blast / Str. Hd / Ind/alk

R-1 / R-6 / HB / 62 / 63

B572A3-47-9-2, PI215936 x CI9214 4309

0044 7/22

16/I

7/27 11 4310

B572A3-47-11-1-3, 4311

0047 7/27

R 15/I all 2x1

11 4312

11 4313

B572A3-47-11-2-2;1 4314

0049 7/30

(R) (R) (R) R 14/I SNP

SGR 11 -2 4315

11 -3 4316

Pa

Blast R-1 / R-6 | Str. Hd / HB | Iod/Alk 62 / 63

4317 B572A3-47-11-2-3,-1 PI 215936 x CI 9214 6052
Pan
SNP
7/31 outstanding. BB tgr
low yellow line adv
(R) / (3dR) | (R) / (R) | (9-I)

4318 " -2 ✓

4319 " -3 ✓

short A group
acct v slow rooting
can be bulked

4320 7/26 P.I. 215,936, ck

4321 B572A3-47-13-3-1,-1 6051
8/10
I

4322 -2 ✓
Pan
SNP
14 I

4323 " -3 ✓

outstanding is med ht
low lodg men long gr.
can be bulked
adv

4324 B572A3-47-14-1,2-1 6058
7/27
Pan
medium ht v good type
rough, plump yld
(R) / (R) | I

Blast R-1 / R-2 | Str Nd / HR | Ind / Blk 62 / 63

B572A3-47-14-1-2 PI 215936 x CI 9214

6058 7/27

4325

(R) / (R) -3 | I

11

4326

B572A3-47-15-1-1

6061 8/1

4327

(R) (S+R) 11 | (R) (Prob R) | I or H -2

4328

11 -3

4329

B572A3-47-15-2-2

6062 7/31

4330

(R) (S+R) 11 | (R) (Prob R) R | 15/I -2

SNP

4331

11 -3

4332

Blast / R-1 / R-6 — Str. Hd / HB — Iod / AHK / 62 / 63

4333 B572A3-47-15-2-1; (PI 215936 x CI 9214 — 7/31 — 6066

(R) / (5+R) / 11 — (R) / (1) — Iall 2x1 / 13 I — ·2

4334 Pa Nv

11 — -3

4335

4336 B572A3-47-15-3-2,-1 — 7/31 — 6068

(R) / (3+R) / 11 — (R) / R — L+I / 11 L — -2

4337 Pan — haploid and totally sterile plants present

11 — -3

4338

4339 B572A3-47-16-2-2, — 7/31 — 6071

(R) / (R) — (NR) / (1) / R — 25/I

4340 Nato, ck.

mjs 8/13

	Blast R-1 / R-6	Str. Hd / HB	Iod/Alk 62 / 63		
B572A3-47-16-2-2, PI215936 xCI9214					
6071 7/31					4341
	(R) / (R)	(MR) / (1) R	25/I		
	11				
✓ 7/20					4342
B572A3-47-5-1P;-2-1					
6081 7/20					4343 Hv ✓
	(R) / (S)	(R) / (R)	L	V-F / SNP	
	11		-2		
✓					4344 ✓ Pam Hv ✓
	11		-3		
✓					4345 Hv ✓
B572A3-47-5-3P;-1-1					
6105 7/25					4346
	(R) / (S4R)	(Adg)	15		
	11		-2		
✓					4347 ✓ Pa
			/ L	SNP	Hv ✓
	11		-3		
✓					4348

V. short det., sort

Try in high N trial

Ditto

Blast / R-1 / R-6 | Str. Hdr / HB | Ind/Mk / G² / G3

B572A3-47-5-3P7PI 215936 x CI 9214

4349 — 1/2.5 — 6106

(R) / 11 (3+R) | Reg -2 | 13/L

4350 Pan

4351 — 11 — -3

B572A3-47-5-3P3-1

4352 — 7/2 — 6107

(R) / 11 (5+R) | Reg -2 | (20 Cons)

4353 Pan Hw

4354 — 11 — -3

B572A3-47-5-5P-3-1

4355 Pan Hw — 6110

(R) / 11 (5+R) | (R) -2 | 8/L

4356 Hw

Blast R-1 / R-6 — Str. Hd / HB — Iod/Ark 62 / 63

B572A3-47-5-5P-3-3PI 215936 x CI 9214
6110 7/26
4357 Hv

(R) (S+R) — (R) (R) — 8/L

B572A3-47-5-5P-1, 1
6112
4358 Hv

(R) (R) R — 8/L

"
-L

Saved seed V. fine root & V. slight let. Try in Hi N.

V-1 T — Pan
SNP Hv
4359

8/4 Blt SD, cl
4360 Hv

22 #

B572A3-47-5-5P-1-3
6112 7/26
4361 Hv

(R) (S) — (MR) (R) — 6/L

B572A3-47-5-5P-5-1
6115 7/26
4362
V-T — Pan
SNP Hv

(R) (S) — (R) R — 6/L

"
-2

a more spreading growth habit, V. about let. Try for browning type, excellent CI 9545 plant type. Shorter ht than rows that follow

4363 Pan Hv

"
-3

4364 Hv

			Ind/Mk 62/63	
4365	B572A3-47-2-2P, HPI 215936 × CI 9214			886
4366	"	-2	19 I	
4367	"	-3	17 I	
4368	"	-2P-2--1	14 (I all 2x)	8864
4369	"	-2		
4370	"	-3		
4371	B572A3-47-2-4P,		14 (I all 2x)	8867
4372	"			

B572A3-47-2-4P, PI 215936 x CI 9214

8867 4373

4(I all 2H)

B572A3-47-2-5P, 1-1

8868 7/26 4374

I all 2H 13 E SNP

" 2 4375

12 I

" -> 4376

13 I

" 5P-2-1

8869 4377

13

" -2 4378

I SNP

" -3 4379

7/26 PI 215,936, ck 4380

Rows 4374 to 4392 all look alike

There may be some seg. for gel temp.

all good plant stands but gn sl. shorter than B13. An [illegible] line

			I.d/Alk 62/63		
4381 Pan	B572A3-47-2	-5P-3-1P 7/26	I215936×CI9214		8870
			I or I/H 12	I	
4382 Pan ✓ Hv SNP	"	-2			✓
			12	I	
4383 Pan	"	-7			✓
			10	I	
4384 Pan	"	-5P-4-1			8871
			9	I	
4385 Pan ✓ Hv SNP	"	-2			✓
			10	I	
4386 Pan	"	-3			✓
			9	I	
4387 Pan ✓ Hv	"	-5P-5-1			8872
			15 (I Ad I)		
4388 Pan ✓ Hv	"	-2			✓

all good

Saved many fam. due to possibility of seg. for gel. temp Prob a CI 9545 plant type.
E/D/MN/St + excellent plant type

Iod/Alk
62/63

B572A3-47-2-5P;5-3 PI 215936 x CI 9214
8872 7/26 4389 ✓ Par
15/Prob I SNP Hr ✓

" -5P-6-1
8873 4390 ✓ Par
10

" -2 4391 ✓ Par
Hr ✓

" -3 4392

Short ht, V sturdy, V good
V good

B572A3-47-3-1P;1-1
8874 7/28 4393 ✓ Par
like 4395
I/10 I

" -2 4394

" -3 4395 ✓ Par
7/28
[illegible] later than 4394, V good
SNP Hr ✓

" -1P-3-1 4396 ✓ Par
8876 7/25 Possibly a few later, V good
like 4398, full BB
40/I Hr ✓

[illegible]

Ind/Alk
62/63

-3-2

4397 B572A3-47-3-1P, PI215936 x CI9214 8876
7/26 S
R to CO
40/I

4398 " -3 ✓
7/27 S
full BBt, mod lat, V good
possibly a few late?
Pan
Hn ✓ SNP

A3-47-3-3P-1
4399 8/9 8879
✓ Pan (R to C O, V clean 9/4)
14/L

4400 Nato, ck.
Ripe 8/14

Iod/Bk
62/63

B572A3-47-3-3P, 2 PI215936 x CI9214
8879 9/8 fuel BB gr., shd lit, good
4401
Pan

14/4
-3
✓ 〃
4402

B572A3-47-3-4P,
8880 7/28
4403

I
✓ 〃
4404

✓ 〃
4405

B572A3-47-3-5P,
8882 7/30
4406

12/ I / 5=2x1
✓ 〃
4407

✓ 〃
4408
Pan

fuel gr, all plants Min
BB3d minor fuller

			Lot 62 / 63	
4409	B572A3-47-3-6P, PI 215936 x CI 9214 7/29			8883
			I	
4410	〃			✓
4411.	〃			✓
4412	B572A3-47-3-9P,-1 7/28		18/I QQQ 2x1	8884
4413	〃	-2		✓
4414	〃	-?		✓
4415	B572A3-47-6-2P,-1 7/30		20/I QII 2x1	8901
4416	〃 7/30	-2		✓

5tr. Hd / HB   Iod/alk 62 / 63

B572 A3-47-6-2P, 3 PI 215936 x CI 9214
9017/30
4417

20/alk I 2x1

B579 A3-5-4-3P, BBt x Gulfrose
9037/25
4418

14

v wide lf, lax appearance

v short ht. 5+ & CD
longgr. sl breaks

"
✓
4419
✓ Pam

8/5 Bdt 50, ck
4420

B579 A3-5-4-3P,
9037/25
4421

B572 A3-47-10-5, -1
9977 7/27
4422
✓ Pa

v broad gram, long
Lax, Intermed alk type, broad
gram

Ⓡ / (reg)   13/4/alk I
L

"
✓
4423
✓ Pam

"
-7
✓
4424
✓ Pam

		Strabd / HO	Iod/Alk. 62 / 63	
4425	B572A3-47-10-6, PI215936×CF9214 7/26			9778
4426	"	® neg -2	4/I	✓
4427	"	-7		✓
4428	B572A3+47-2-3P-1P, "			9777
4429	"		47	✓
4430	"			✓
4431	B572A3-47-2-4P-2P-(7/30			9781
4432	"	-2	14/I	✓

Str. HB / Ind/Hk
HB / 62/63

B572A3-47-2-4P-2P; PI 215936 x CI 9214
9781 7/30 4433

14/I
B572A3-47-5-1P-3P, -1
9783 7/22 4434
Pa
Ha
13 SL SNP
-2

4435
Pa
Ha
SL SNP
-3

4436
Pa
Ha
SNP
SL

B572A3-47-5-2P-1P,
9801 7/26 4437

(R) 15
" 4438
Pa

" 4439

7/29 PI 215,936, ck 4440

		Str.-xd / HB	Iod/Alk 62 / 63		
4441	B572A3-47-5-2P-5P, PI 215936 x CI92 8/3				9802
		(R)	23		
4442 ✓ Pan	7/30 "		•2		✓
4443	7/30 "				✓
4444 Pan ✓ Nr	B572A3-47-5-3P-1P,-1 7/25				980
		(R)	12 / L		
4445 Pan ✓ Dr SNP E/MD/II I	"		-2		✓
			L		
4446 Pan ✓ Hr SNP	"		-3		✓
			L		
4447	B572A3-47-5-6P-1P,-1 7/26				9806
		(R)	14		
4448 Pan JC ✓ Hr SNP	"		-2		✓
			L		

R to C.O. brittle
V sturdy, gold

2/ Internod elk, tip on
a full leaved 15 BT 50
type, V good

Short lit gold,
C P on dimension
V sturdy + V good
Try in Ri N.

Blast R-1 / R-6 — Str Ht HB — Iod/Ash 62 / 63

B572A3-47-5-6 P-1P, 3PI215936 x CI9214 — 4449

9806

B591A9-4-1, (R) BBt 50/2 x Galfrose — 14 — 4450

724

Check

(2) (24-I)

11 — 4451

11 — 4452

B573A1-2-5-2-1, PI215936 x C.I. 9402 — 4453

117

(R) (S4R) (R) (1) R 14/4

4454

Par

SNP V-F Dw

11

V-F 4455

SNP Hw

B573A1-5-1-1,

6122 — 4456

(R) (45 Pow)

		Blast R-1/R-6	Str. Hd/HB	Ind/Ack 62/63		
4457	B573A1-5-1-1, PI215936 x CI9402		Ⓡ/	(45 low)/		6/22
4458	" Too tall					✓
4459	A1-5-1-1 S to CO		Ⓡ/	49/		6/23
4460 No	Nato, ck			/61 L		
4461 Par No	B573A1-5-1-1, Rather tall, but has vigorous growth			/L		6/23
4462	"		Ⓡ/	/		✓
4463 Par	B573A1-5-4-1,1-1		Ⓡ/	(10 low)/		6/30
4464 Par	" like 4461 R to CO		-2			✓

Blast R-1 / R-6 | Str. Hd / HB | Iod / Stk 62 / 63

B573A1-5-4-1-1-3PI 215936 xCI 9402

6130 4465

(R) / (10 low)

A1-5-4-1-2-1

6131 " 4466

(R) / 14/L

" -2

✓ 4467 ✓ P

4463 + 4466 when R to CD

" -3

✓ 4468

B573A2-1-1-3-2-1

6144 4469

(R) / (R) (R) / (12)

" -2

✓ 4470 ✓ [illegible]

" -3

✓ 4471 ✓ P ✓ [illegible]

V short ht, dark green hvy shnd gm, al [illegible] [illegible] PI parent V good R to CO

SNP

~~B573A2~~ 323-2-3-2,

6147 4472 ✓ P

(MR)(S) / 17/I

Str. Hd / HB   Iod/Alk 62 / 63

4473 B573A2-2-3-2, PI215936 × CI9462   6147
(MR)(S) / 17/I

4474 "   ✓

Top tall bold grain

4475 B573A2-3-8-1-1,   6149
(R)(3) / Hor I / 12 ±

4476 "   ✓

Med

4477 "   ✓
Ran
grow in 1964 acct very rapid stubble growth. does this line differ from others of this cross

4478 B573A2-4-3-2   6154
(MS) ag / 16/L

4479 "   ✓

Med

4480 Blt 50, ck

Str. Htg / HB — Ind/BHK 62/63

B573A2-4-3-2, PI 215936 x CI 9402

6154 — 4481

(MS) / avg — 16/4

B573A3-2-5-3,

6158 — 4482

(R) — 18/4

" — 4483

" — 4484

B573A3-2-7-3-1,

6165 — 4485

(R) — 19

" — 4486

" — 4487

B571AA1-5-3-3, 1-1 (CP231/3 x BBH) x PI 215936

6215 — 4488

V-F

(R) — 13/I/13 I

	Blast R-1 / R-2	Str Hd / HB	Joel / Atk 62 / 63	
4489	B5711A1-5-3-3, 7/25	(CP23/3 x BBt)		x PI215936 6215
		(R)	(13/I)	
4490		-3		↓
4491	B5711A1-18-5-2, 7/28			6231
		(R) (34R)	(R) (8/Pueblo)	
4492				↓
4493				↓
4494	B5711A1-32-5-2, 7/20			6243
		(R)	(51 low)	
4495				↓
4496				↓

str. Hd / Iod / Stk
HB / 62 / 63

B593A10-27-1;1 Belle x [(CP231/3 x BBt)/2 x PI 215936]

6584

4497

(MR) / 7/I

11 -2

4498

Sure Germ Tall Dwarf

11 -3

4499

SNP

PI 215,936. ck

4500

Str. Hd / HB | Iod/Alk 62/63

4501 B593A10-27-2, Belle x [(CP231/3 x BBt)/2 x PI215936
7/23(S)
6601
Pan
✓ Hin
SNP
(R) (7/I)

4502 " -2 ✓
Pan
MR + CD

good CP root type & later
[illegible]

4503 " -3 ✓
Pan

4504 B593A10-30-2,-1
7/25
6613
Pan
(MS) 18/I

4505 " -2 ✓
Pan
S + CD

4506 " -3 ✓
Pan

4507 B593A10-30-3,-1
7/21
Straw hulls, v good CP ind row
6614
Pan
✓ ph
SNP
(MS) (10) I

4508 " -2 ✓
Segr straw & gold
7/21
Pan
S + D

Blast R-1/R-6 | Str. Hd/HB | Iod/Alk 62/63

B593A10-30-3;3 Belle × [(CP231/3 × BBt)/2 × PI 215936]
66614 1/25 Straw & gold hulls
4509
Pa

(MS)/ (10)/
B593A21-2-3;-1
6861 1/27
4510
Pa
Hr

(MR)/(S) (14)/ 2
" -2
4511

straw hulls
MR to CO

" -3
4512

-3-1
B591A1-23-2-1, PI 215936 × [CP231 × ~~(Hull Sel.)~~ × CI9122]
7764 7/22
4513
Pa

(R)/(Seg) (34/Low)
" -2
4514
Pa

(E/D/MN/I 1good)
very good dark green erect growth bold straw,

R to CO
" -3
4515

B571A1-43-6-1,
7781 7/30
4516

(MS)/(S) (22/I)

		Str Hd / HB	Iod/Alk 62 / 63		
4517 Pan	B57/A1-43-6-1, 7/20	PI215936	x[CP231x~~[illegible]~~ 912	5781	
	narrow lf, flagdrop, curved glum St to C 0	(MS) / ③	(22/I)		
4518	"			✓	
4519 Pan	B57/A2-2-7-2, 7/20			5784	
		Ⓡ	A/I		
4520	Nato, ck				
4521	B57/A2-2-7-2, 7/20			5784	
4522	"			✓	
4523	B57/A2-9-10-1-2, 7/20			5813	
	long green erect, med, LL- good	Ⓡ / (3)	(3/I)L		
4524 Pan ✓Nu	"			✓	

Str Hd / HB   Iod/Ask 62 / 63

B57/A2-9-10-1-2, PI 215936 x (CP231 x ~~(Hill Sel x BBt)~~ CI 9122)
5813 7/30
4525

Ⓡ (3)   L (21)

B57/A2-9-10-2-2, PI 215 936 x (CP231 x CI 9122
5819 7/30
4526

Ⓡ (0)   40-L

"
4527

"
4528 Pa

Too yellowy

B57/A2-9-10-3-3,
5824 7/22
4529

Ⓡ (0)   (37/L)

"
4530 Pa
Hv

"
4531

yellowing, leafy grain, japonica plant type, long as Calif.

B57/A1-39-2-2,
5832 7/30
4532 Pa

S   19/I/L

Started HB / Ind/Ath 62/63

4533 B571A1-39-2-2, PI 215 936 x (P231 x PI 9122) 5832

4534 " R to C D

4535 B571A1-40-4-2-2, 5838

4536 "

4537 "

4538 B586A1-10-2-2, BB150 x PI 215936 7614

4539

4540 Bht SD, ck.

Amylo / AMYLOSE | 3rd. HB / HB | Iod/BIK 62 / 63

B586A1-10-2-2;3 BBY50 x PI215,936 — 4541

7614 — W — VF — fa

(R) (S) 29/4

B586A5-1-2-1, — 4542

7619 — 7/22

(Soft) (R) S (52/4)

" — 4543

4544

B581A6-576-3-3BK-1, (PP231/3 x BBt)/2 x PI215936 — 4545

2963 — 7/26

(MR) (1) S 29 28 Hard

" — 4546 — fa

" — 4547

B581A6-576-3-3BK-3 — 4548

2965 — 7/26

(MR) (soft) (19/I)

Amylo / Amylose   Sto. Hd / HB   Iod/Alk 62 / 63

4549 B581A6-576-3-3Bk-3, (CP231/3 x BBt)/2 x PI215,93
2965
Pan
7/28
Shorter than others, c y type
⊖(MR)/(1)   (seg)   19/I

4550 7/28 "   ✓

4551 B581A3-8-3-1, (CP231/3 x BBt)/2 x PI215936
7632
7/23
(MR)(seg)   (12/I)

4552 "   -2   ✓

4553 "   -3   ✓
Pan
Br SMP

Short ht, straw leafy, long
se grain, v good straw

4554 B581A3-8-3-3,
7634
7/22 (S)
(MR)(seg)   19/I

4555 " (S)   ✓

4556 " (S)   ✓
Ara

Sat. Hg / Iod/Alk
HB / 62 / 63

B581A3-24-3-2, (CP23 1/3 x BBt)/2 x PI 215936
7629 7/22 (S). 4557

(MR) (12)

" 4558
(S)

" 4559
(S)

7/23 CP 231, ck 4560

B581A3-27-2-2, 4561
0643 7/27

(R) (R) 25 I

" 4562

" 4563

B581A3-27-2-2, 4564
6446 7/27

(R) (R) 20

		Str Hdl / HS	Ind/Alk 62 / 63	
4565	B581A3-27-2-2, 7/23	(CP 23/3	x BBt)/2	x PI 215936 7646
		(R) (R)	20 / I	
4566	" 7/23			✓
4567	B581A3-46-2-5, 7/24			7649
		(MS)	16/I	
4568	"			✓
4569	"			✓
4570	B581A3-46-2-3, 7/24			7653
		(MS) (R)	(16/I)	
4571	"			✓
4572	"			✓

Str 12d / Lod / AHG

HG 62 63

B581A3-59-2-2; ((P231/3 x BBL)/2 x P1215 936 4573

7656 7/24 Pan

(MR) 25/I SNP

" -2 4574

" -3 4575

B581A6-396-1-18K

1673 4576

(MR) 28

" 4577 Pan

" 4578

B581A6-396-1-1,

1675 4579 Pan

(MR) (R) L

CP231, ck 4580

			Str. Hdl / HTS	Ind/Anv 62 / 63	
4581	B581A6-396-1-1-1, (CP231/3 x BB#/2 x PI215936				7675
			(MR) (R)	L	
4582	〃				✓
	B581A6-535-1-1BK				
4583	7/28				7679
			(S)	17	
4584	〃				✓
4585	〃				✓
	B581A6-576-1-1BK				
4586	7/22				770
			(MR) (R)	22 I	
4587	7/22 (S) 〃				✓
4588	7/22 (S) 〃				✓

Str. Ld HG | Ind/Alk 62 / 63

B581A6-17-1-2, (CP2 3/3 x BB4)/2 x PI 215 936

7714 7/24

4589

(R) (Leg) S!

11

4590

11

4591

B581A6-83-2 >1

717 7/23

4592 Can

(R) 19/I 4=2x1

11 -2

4593 Pa Hr

SNP

11 -3

4594

B581A6-181-1-2,-1

7221 7/24

4595 Pa Hr

(R) I all 2x1 26/I

SNP

11 -2

4596 Pa Hr

2

25/I

		Str. Hd / HB	Iod / Alk		
			62 / 63		
4597	B581A6-181-1-2,3 (CP231/3 x BBt)			/2 x PI21593	7721
	7/24				
		Ⓡ	I all 2x1		
4598 Par Hr SNP	B581A6-181-1-4, -1				7723
	7/24				
		Ⓡ Ⓡ R -✓	20 I all 2x1		
4599 Par Hr	"				✓
4600	CP 231, ck				

√ good, like 4593
st. gl.
√ short, lots prod

Str. Hd / HB 3/ | Iod/Alk 62/63

B581A6-181-1-4; (CP231/3 x BBt)/2 x PI215936
7723 7/24
4601
✓ Hr

Ⓡ / Ⓡ R | 20/I, all 2X/

B581A6-302-3, 3-1
7234 7/24
4602

(MR)(R) | 27

" -2
4603
Pan

" -3
4604

Short lat c P type good rather compact pan

B581A6-545-3,
7758 7/24
4605

(MR)(R) (Rubber) | 22

"
4606
✓ Pan

"
4607

V short lat, V sturdy, C print S to C O. poor pan

B581A6-574-4P,
8907
Buck
7/24
4608

		HB	Lod/HK 62 63	
4609	B581A6-574-4P, (RP231/3x BBX)/2x PT21593			8907 Buck
4610	"			✓
4611	B581A6-574-4P			8908
			23/I	
4612	"			✓
4613	"			✓
4614	B581A6-645-2-2,			9125
		(MR) (O)	22	
4615	"			✓
4616	"			✓

Str. Hd T. d/all
62 63

B581A6-545-4, (CP23/3 x BBt)/2 x PI215936 4617
9968 7/24

MR (18/I)

" -2 4618
Pa
Hv

" -7 4619

crossed c P type, similar ht, v good.

R to CO

7/24 CP 23/, ck 4620
Hv

B581A6-545-5, " 4621
969 7/24
Pa

MR (18/I)

" 4622

" 4623

much like 4618, good curved,

St to CO

B581A6-545-6 4624
970

MR 16

		Str-Hd / HB	Iod/Alk 62 / 63	
4625	B581A6-545-6, (CP231/3x884)/2x PI215936 9970 7/25			
		(MR)	16	
4626	〃			✓
4627 Pan ✓ ✓ Hv	B5111A1-108-1-5-2-1BK, CP231xZayas Bazar 2955 7/24			
		(S4R) 1·(R) R	17 I / 25	
4628	〃			✓
✓ Hv 4629	〃			✓
4630	B5111A1-108-1-5-2-1BK, CP231xZayas Bazar 7953 7/24			
		(R)	20	
4631 Pan ✓	〃			✓
4632	〃			✓

E/M/W/T. Extremely early
flop - poor yield check
A graph & partial [illegible]

Str. Ht / HB — Lod / Aur 62 / 63

B5112A1-106-2-4, BB? x Zoyas Bayan

7962 8/1

4633

(S) 11

4634

4635

B5461A3-32-2 (CP231 x TP) x (CI9122 x PI160061)

7978 7/24

4636

(S) 18

11

4637

11

4638

B5489A4-2-2, CP231/2 x CI8970

7007 7/24

4639

(MS) 13

CP 231, ck

4640

check B5534A sels for seedling vigor
all are good C P types

		Str. Hd / HB	Iod/Alk 62 / 63	
4641	B5489A4-2-2, 7/24	CP231/2×CI8970		800
	V good C P types ← smaller stage of more yellowing S to CD	MS	13	
4642 Pan He ✓				✓
4643	B5534A3-7-3, 7/24			8021
	like 4642 but less yellowing a triploid present S to CD	(MR)	(13)	
4644 Pan He ✓	″			✓
4645	″			✓
4646	B5534A3-7-3 7/24			8023
	Erect flags, rather short flaglf lengths, rough blades ← narrower of the others E/D/N/I S to CD	MS (S)	14	
4647 Pan He ✓	″			✓
4648				✓

Str. Hd / HB   Iod/HW 62/63

B5534A6-3-3, CP23½ x CI 8970   4649
8026
7/24

(MR) (5-29)   12 / I

11   4650 ✓ Pa ✓ [illegible]

R to CO

11   4651

Light green of med size, CP lot, larger stems than CP Good

B5517A17-7-1-3, CP23½ x PI 180,177   4652
1035
7/24

15

11   4653 ✓ Pa

MS to CO

11   4654

Tan & P. type [illegible]

B5517A17-4-1-1,   4655
1038
7/2c

Ⓢ   14

MS to CO

11   4656

		Str-Wld / HB	Inst / ACK 62 / 63	
4657	B5517A17-4-1-1, CP231/2 x PI 180,177			8038
	7/24	(S)	14	
4658	B5517A30-3-2-2,			8042
	7/24	(S)	16	
4659	"			
4660	CP 231, ok			
	7/24			
4661	B5517A30-3-2-2,			8042
	7/24			
4662	"			8043
		(S)	(7/I)	
4663	"			
	7/24			
4664	"			

Str. Hd / Ind/AHY
HB 62 63

B5553A1-1-4-1, CP231 x CRH-13
8318 7/26 4665

(3) (19)

" 4666

" 4667

B5553A1-1-9-2,
8322 4668

(16)

" 4669

" 4670

B5574A1-11-5-2, CP231 x MTU-1
7324 4671

(3) 88

" 4672

		Str. Std / HB	Inoc/AMC 62 / 63	
4673	B5574A1-11-5-2, CP231 x MTU-1			8224
		⑤	88	
4674	B5553A1-1-4-1, CP231 x CRH-13			9109
			24	
4675	"			✓
4676	"			✓
4677	B5574A1-11-5-2, CP231 x MTU-1			9112
			58	
4678	"			✓
4679	"			✓
4680	CP 231, ck			

St. Hd / HB   Iod / Ah / 62 / 63

B55 80A1-15 (B57-11552), CP231 x SLO-17

8330 7/27

Short ht. rather leafy
consid. Parent head —

✓		? / (MR)	85	4681
✓	"			4682 Pa / Hr
	"			4683
8836 7/31				4684
✓		(VS) / (MR)	86	4685 Pa
✓				4686
8842	"			4687
✓	"	(S) / (MR)	89	4688

all alike & v leafy

		Str. Hab / HB	Lod/Sock 62 / 63	
4689	B5580A1-15, (57-11552) CP23 x SL0-17			8342
		(S) / (MR)	89	
4690	B5580A1-15-1-3,			8345
		(S)	87	
4691	"			
4692	"			
4693	B5580A1-15-2-3,			8349
		(S)	90	
4694	"			
4695	"			
4696	B5580A1-15-2-3-1			8352
		(R)	92	

Str. Hd / Jod/Stk
HB 62 63

B5580 A1-15-2-3-1, CP231 x SL0-17

8352 4697

0(R) 92

4698

B5580 A1-15-2-3-3,

8353 4699

7/24

like 4697 (S) 0(R) (76)

CP 231, check 4700

		Str. Hd / HB	Iod / Alk 62 / 63		
4701	B5580A1-15-2-3-3, C P231 x SLD-17	Ⓢ / o(R)	(76)		835
4702	" R to CO				✓
4703	B5580A1-15-2-3, 7/22	Ⓢ / (R)	(72)		835
4704	"				✓
4705 Pan ✓	" R to CO "				✓
4706	"	Ⓢ R	82		8358
4707 Pan ✓	" 7/27				✓
4708	" R to CO				✓

v short ht, v slender,
shatt pan, poor gr. shape v short ht, erect flag

B5580A1-15-5-2, CP231 x SX0-17

8362

4709

(S) 9

"

4710

pan

"

4711

B5580A1-15-4-2,

8365

4712

(S) (S) 6-(I)

"

4713

"

4714

(.1V16)

8843

(Mod-gr.)

4715

fan

40

4716

4717				8843 (61V16)
4718	B561A1-7-2-1, Irrad CP231(DW) NRe×		40	7773
	7/24	(VS)	24	
4719	"			—
4720	7/24 CP231, check			—
4721	B561A1-7-2-1			7773
		(VS)	24	
4722	B561A1-23-1-1, 7/27			7784
		(S)	23	
4723	"			—
4724	"			—

all dumps

B56/A1-23-1-5, Trad C(P23)(DW) × Rex

7803 7/24

4725

(S) 30

"

4726

"

4727

Pa

B56/A2-16-1-2,

7809

4728

(S) 22

"

4729

"

4730

"

7812

4731

Pa

S 18

"

4732

all dwg nos.

4733 B561A2-16-1-2, Irrad (P231(Dw) x REX 7812
7/24
(S) 18
4734 B561A2-8-2-3, 7818
(S) 25
4735 " ✓
4736 " ✓
Pw
Th
4737 B561A2-14-3-1, 7823
8/20
(S) 18
4738 8/19 " ✓
4739 8/18 " ✓
Th
4740 CP 231, ck.

all dwarfs

B56/A2-32-2-2, Thad[P231(DW) x Rex

7826 7/30 — 4741

(s) 50

" — 4742 ✓

" — 4743 ✓

B56/A2-32-3-1,

7835 7/30 — 4744

(s) 25

" — 4745 ✓ Pan

" — 4746 ✓

B56/A2-34-3-3,

7837 7/30 — 4747

(s) 42

" — 4748 ✓

all dwarf nos

4749 B561A2-34-3-3, Irrad (Pa231(Dw) x R-x 7827
7/30

(S) 42

4750 B563A1-5-3, Irrad (Pa231 (Dw) x BB450 7879
7/24
Pa

Pa one of the last dwarfs

4751 " ✓

4752 " ✓

(R) 23 F

4753 B563A1-14-2, 7911
7/30

(S) 26

4754 " ✓
Pa

4755 " ✓

4756 B563A1-20-3, 7914
7/24

R 50

B563A1-20-3, Irrad (P231(Dw) x BB450 4757
79/41/24

R / 50 / H

" 4758

B55-8513, Irrad CP231 Dwarf (Parent) 4759
79/6

S / 89-H

CP231, check 4760

B55-8513, Irrad (P231 Dwarf (Parent) 4761
7916

S / 89-H

" " 4762

B561A3-22-3-1, Irrad (P231(Dw) x Re x 4763
9036

S / 14

" 4764

Dwarfs

normal sister

4765 B561A3-22-3-1, Irrad CP231(Dw) x Ro x
90 3

S 14

4766 B561A3-24-2-3,
90 38

4767 "

4768 "

13 1

4769 P58-1P-2T-1P, CP231 x Gulfrose
97 14

53-H?
H

4770 "

4771 "

4772 P88-7P-1T-1P, [(BBt50 x CP231) x 250-2-2]
x (P50 x Mag.)
97 16

75-H

(check blast + qual, all too tall
58 bt or taller)

P88-7P-1T-1P [(BB+50 × CP231) × 250-2-2] × (250 × Mag).
9716

4773
✓ Pa

75-H

"

Too leafy

4774

P58-9T-2T-1P, CP231 × Gulfrose
9733 7/2 Strites are present

4775
✓ Pa

34-L

"

✓

4776
✓ Pa

"

✓

excellent c p type now

4777
✓ pa
✓ Hw

P74-13T-2T-1P, [BB+50 × CP231) × 250-2-2] × (250 × Mag)
9737 7/24

4778

41-L

"

✗

Excellent C P types
long grain, [illegible]
drop.

4779
✓ Pa
✓ Hw

8/3 Blt 50, ck

4780

(check blast & qual, all too tall
c p lot or taller

4781	P74-13T-2T-1P, [(BBt50×(P231))×250-2-2]×(250YMAg)		41-L	9737
4782	P88-7P-5P-3P, 7/24 like 4797, v good, tall		29-H	9675
4783 Pan Hn	"			✓
4784	"			✓
4785	P88-7P-5P-3P. 7/24 like 4797, v good, tall		65-H ~~50-H~~	9679
4786 Pan Hn	"			✓
4787	"			✓
4788	P88-7P-1T-3P 7/24		54-3/H	9721

(check float & gal, all too tall
cpht on tells

P88-7P-1T-3P [(B8150-P231)x25-2-2]·x(250 x mag)

9721 1/24

4789

54-4H

"

4790

P88-7P-3T-1P,

9722 1/24

4791

47-4

"

4792

"

4793

P88-7P-3T-3P,

9725 1/24

4794

54-4

"

4795

"

4796

(check blast & qual, too tall
(cP bt & taller

4797 P88-7P-3T-6P, [(BBt50xCP231) x250-2-2] x (250 x Mo4)
9727

Pan ↘

✓ Ph.

e P mat. V long pan- BBt + grain size, med large culms, V good grain appearance. 7/24
~~need wide dep~~ -
check rot & alk. Too tall

47-L

4798 " ✓

4799 " ✓

4800 CP 231, ck.

(check blast + goal, Tacc
C P-bl n tilln)

P88-2T-2T-1P, [(88750×(P230)×250-2-2]×(250×M[illegible])
9744 7/27 4801

29-L

11 4802 Pa

11 4803

P88-2T-2T-2P,
9746 7/26 4804

15-L

11 4805 Pa Mr

11 4806

P88-10T-2T-1P,
9748 7/27 4807 Pa Mr

22-L

11 4808

check blast & gual [illegible] these rows

4809 P88-10T-2T-1P [(BBt50 x CP231) x 250-2-2] x (250 x Mac
7/26
9748

22-L

4810 P115-2P-2P-5P, BBt50 x P105
7/30
Pam
9682

W/I
~~[illegible]~~

4811 8/2 "
Pam
L

are [illegible] than BBt50
& standard appearance.
prob. differ in mat., large grains
MS to CO

4812 7/29
Pam
Hv
L

13 L

4813 P115-2P-2P-6P
Pam
Hv
9684

25 I

4814 "
L

4815 7/15 S "
Pam
MS to CO
L

few VE
4816 P115-2P-2P-6P
9/1
Pam
9701

23 I

check blast + genl. of these rows

I00/ALK
62
63

P115-2P-2P-6P, BBt50 x P105
9701 7/15?
rato most of earlier, good BBt type
23-I
V early

4817
✓ Pa
✓ Hr

"
✓ 8/1
as earlier than BBt, much shorter ht.

4818
Pa ✓
Hr

P122-3P-6P-2P, [(I9122 x BBt50)x250-2-2]x(250 x Ma-
9702
V early
shape 8/7
nearly as gulpessed as earlier.
63-4/I

4819
✓ Pa
✓ Hr

8/3
Blast 80, check

4820
✓ Hr

P122-3P-6P-2P,
9702
BBt most much shorter
63 4/I

4821
P ✓

"
✓ as early row
shape 8/7

4822
✓ Pa
✓ Hr

P122-3P-6P-3P,
9704
7/27
40 4/I

4823
✓ Pa

"
✓ taller row

4824
✓ Pa

check slist & gual

4825 ✓Pa	P122-3P-6P-3P, [(CI9122xBBts0)x250-2-2]x(250xMa 7/27		40L/I		9704
4826	P122-3P-6P-8P,		54-L		9706
4827 ✓Pan	"				L
4828	"				L
4829	P122-2T-2T-5P 7/27		35-L		9750
4830 ✓Pan	"				L
4831	"				L
4832 ✓Pan	P142-3P-2P-7P, [(BBts0xHo10)x250-2-2]x(250xMag) 7/27		63-L		9788

v short ht

Short lt, rather leafy

ST to CO

Erect flop, v sturdy, med lt,

MS to CO

MS to CO

check for gas + blast

P142-3P-2P-7P, [(BB150x40-10)x250-2-2] x (250 x Mag)
9708 7/7 4833

63-L

11 4834

P142-3P-4T-1P,
9729 7/8 4835

70-L

11 4836

11 4837

P163-4P-2P-3P, TP x (2ac. x Mag)
9710 7/10 4838

36-L

11 4839

7/8 Blast 50, ck. 4840

check good & blast

4841 P163-4P-2P-3P, TPx(Lac x Mag) 9710
7/10
Pa
Pr
36-L

4842 P163-4P-2P-4P, 9712
44-L

4843 " ✓
Pa
1 tall, good
5 to C ✓

4844 " ✓
Pa

4845 B5813A8-3-1-1, PI215,936x Lacross x 7019
7/23
– R (R) 58-L ~~(I/H)~~

4846 " -2 ✓
Pa
Plant Type ✓ mixed like orig PI. ✓ good
Rtn C O
good stand

4847 " -3 ✓
Pr
SNP

4848 B5813A8-10-1-2, 7033
7/23
(R) (R) ~~(Seg)~~ (1) ~~45~~-L

Check for Blast

all MS to CO

B5813A8-10-1-2, PI 215 936 x Lacrosse
70337/23 4849

(R)/(R) 11 (Seq)/(1) ~~#5~~ L

5&CO, taller than 4847, more willowy

✓ 4850
✓ Pa
✓ Ar

B5813A11-4-1-1,
7036 7/24 4851

(MR) (8)-L

11

✓ 4852
✓ P

Ahee

11

✓ 4853

B5813A11-4-1-3,
7038 7/24 4854

(MR) 8-L

11

✓ 4855
✓ Pm

11

✓ 4856

(Check for latest
all MS to CD

4857 B5813A11-27-1-2, PI 215 936 x lacrosse 7042
7/10

(R) (S) 19-L
11

4858 ✓

4859 "

4860 PI 215, 936. ok
7/26

4861 B5813A11-64-1-1,1 7046
7/21

(R) (R) (neg) 13-L
11 (1) -2

4862 ✓

SNP

4863 " -3 ✓

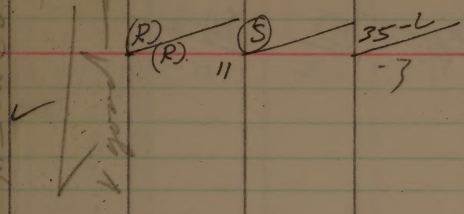
4864 B5813A11-71-1-2,1 7050

(R) (S) 35-L
(R)

Check for blast

B5813A11-71-1-2,-2 PT215 936 x Lacrosse

7050 7/w3



4865 Pa Av

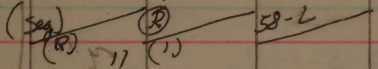
SNP

4866 Pa

B5813A12-2-2-2,

7056 7/15

4867



4868 Pa

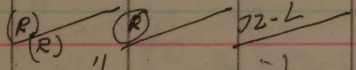
11

4869

B5813A12-4-1-1,-1

7059 7/10

4870 Pa Av



SNP

4871 Pa Av

11

-7

4872 Pa Av

4873 B5813A12-4-1-3, PL 215 936 x Lacrosse 7062

(R) (R) (R) (46) L

11 -2

4874 ✓

11 -7

4875 ✓

4876 B5813A12-5-1-2 7/30

(orig) (R) (R) (45) L 7068

4877 11 ✓

4878 11 -3 ✓

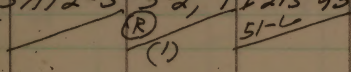
4879 B5813A12-5-3-2, 7/31 7073

(R) (1) 51 L

4880 Nato, ck.

B5813A12-5-3-2, PI 215 936 x Lacrosse

7078 7/31



4881

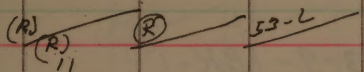
11

4882

B5813A12-6-1-1,

7077 7/27

4883



4884

11 3

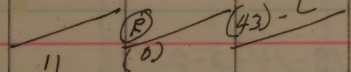
4385

SNP

B5813A12-6-2BK

7084 7/28

4886



4887

11

4888

all are Gulfrose mat,

4889	B5816A13-4-1-1, Gulfrosex[Zenx(BR)3xR]	(S)/(0)	57-L	7126	
4890	"				✓
4891	"				✓
4892	B5816A13-9-1B.K-1	(MS)/(0)	(49.)-L	7132	
4893 early fa √ Th	"		-2		✓
4894	"		-3		✓
4895	B5816A13-14-2-2	(MS)/(0)	(14)-L	7138	
4896 studied thru G.R. not tall fa √ Th	"				✓

B5816A13-14-2-2, Gulfrose × [ZeN × (BR/3 × R)]
7138 4897

(MS) (H)-L
(O)
B5816A13-14-3-1,
7141 4898

" 4899

(MS) to L
(O)
PI 215,936, ck 4900

Practically all of the B5816A lines are as early as Gulfrose. Some are much better stem type, + shorter [illegible] than Nato. Check rod + HB on these lines.

4901 B5816A13-14-2BK, Gulfrose x [Zenith x (BR/3 x R)] 7/41
(MS)/(0) 10-L

4902 B5816A13-14-3-2, 7/43
(MS)/(0) (18)L

4903 Par✓ " ✓

4904 " ✓

4905 B5816A13-14-3BK, 7/45
(MS)/(0) (18)-L

4906 Par✓ Dr " -2 ✓

4907 " -7 ✓

v good Nato pl type

4908 B5816A13-27-1-3, 7/55
(S)/(3) 39-L

B5816A13-27-1-3, 6 Gulfrose x [2oN x (BR/3 x R)]
7155 4909

(S) (3) 39-L

" -3 4910

B5816A13-33-1-2, -1
7161 4911

(S) (2) 13 L

" -2 4912

" -1 4913

B5816A13-40-2-1, -1
7170 4914

(S) (10) L

" -2 4915

" -3 4916

4917 B5816A13-40-2-2, Gulfrose × [ZeM(BR/3×R)] 7171

(5) (1) 9-L

4918 " -2

4919 " -3

4920 Nato, ck

4921 B5816A13-42-2BK, 1 7181

(5) (5) 10-L

4922 " -2

4923 " -3

4924 B5816A1-2-2-1, 1 7203

(5) (0) 45-L

B5816A1-2-2-1, Gulfrose x [ZoN x (BR/3 x R)]
7203 4925

(5) / (10) 45-L
" -3 4926

B5816A1-7-1-1,
7206 4927

Seq / (1) 9-L
" 4928

" 4929

B5816A1-7-1BK,
7209 4930

(45) / (1) (29) L
" -2 4931

" 4932

4933	B5816A1-20-2-2,	Gulfrose x [ZeN x (BR/3x R)]		7214
		(MS) (2)	10 L	
4934	"			✓
4935	"			✓
4936	B5816A1-20-2-3,			7215
		(MS) (2)	(2) L	
4937	"			✓
4938	"			✓
4939	B5816A1-23-1-2,			7223
		(MS) (2)	24-L	
4940	PI 215,926,	check		

B5816A1-23-1-2, Gulfrose x [Zen x (BR/3 x R)]
1223

4941

(MS) (2) 24-L

" -3

4942

~~[illegible] Lytton 1962, Velar~~

B5816A1-23-1BK,
7225

4943

[illegible] Lytton '62, Velar

(MS) (2) (55)-L

"

4944

"

4345

B5816A1-23-2BK, 1
7229

4946

(3) (3) (36)L

" -2

4947

" -3

4948

4949 B5816A1-23-3-3, Gulfrose x [Zeon x (BR3 x R)] 7232

(S) (1) (44)-L

4950 " -L ✓

4951 " -? ✓

4952 B5816A1-23-3BK, 7233

(S) (1) (40) L

4953 " ✓

4954 " ✓

4955 B5816A1-26-2BK, 7234

(S) (1) 1 dL

4956 " ✓

B5816A1-26-2BK, Gulfrose x [illegible] x (BR/3 x R)
7234 4957

B5816A2-22-1-1, (S) 18-L
7242 4958

11 (S) (3) 17-L -2
4959

Nato, ck. 4960

B5816A2-22-1-1, -3
7242 4961

B5816A2-22-2-2, (S) 17-L
7247 4962

11 (S) (0) 14-L -2
4963

11 -3
4964

SNP

4965 B5816A2-22-2BK, Gulfrose x [illegible] x (BR/3 x R) 7249

(S) (0) (14)-L

"

4966 Rav ✓

4967 " ✓

4968 B5816A2-26-1-1, 7252

(S) (0) 17-L

"

4969 Rav ✓

4970 " ✓

4971 B5816A2-29-2-3, 7255

(S) (0) (20)-L

"

4972 ✓

Sup

B5816A2-29-2-3, Golfrose x Ken x (BR/3 x R)
7255 4973

(3) (0) (20) L
B5816A3-1-1-2,
7266 4974

" 4975 Pa

(MS) (1) 43-L
" 4976

B5816A3-7-2BK,
7281 4977

(MS) (0) 43L
" 4978 P

" 4979

PI 215,936. 4980 DW

4981	B5816A3-9-2-2, Gulfrose x Zen x (BR/3 x R)			7283
		(MS) (O)	32-L	
4982	"	-2		✓
4983	"	-3		✓
4984	B5816A3-9-2BK,			7301
		(S) (O)	(38)-L	
4985	"			✓
4986	"			✓
4987	B5816A3-11-1-1,			7302
		(MS) (O)	45-L	
4988	"			✓

B5816A3-11-1-1, Gulfrose x Zeal x (BR/3 x R)
7302 4989

(MS) (6) HS-L
B5816A3-11-2BK, -1
7305 4990

(MS) (6) (44)-L
" -2
✓ 4991

SNP

" -3
✓ 4992

B5816A3-16-2-2,
7311 4993

(5) (3) 23-L
"
✓ 4994

"
✓ 4995

B5816A3-23-1-1,
7313 4996

(MS) (7) 33-L

4997 B5816A3-23-3-1, Gulfrose × ZeN × (BR/3 × R) 7313

(MS) (1) 33-L

4998 " v good, standing Pan neither start

B5816A3-23-3BK

4999 7316

5000 Nato, ck

check 1922 also 63-4819 (9702).

check most Col strains for Black
some like those with P105 and
250-mag, etc, may be very good

*3597-99, cross with dark green long-gr. like B572A3-47

3626-3/B585A1-61-1-3BR cross with B572A3-47 et al

3638-39 of #B583A1-4-2, extreme in short & narrow flag dark green

3772-74 use as pollen parent on B572A3-47 short ht, narrow leaf, high A graph set bad check this on 1962 samples of all listed opposite here
3746-48
3736-38
3721-23
3711-22 are like 3721-23 but later mat
3815-17

3829 BB! high
3844-46
3866-68
3869-71 cross mixed as about this [illegible],

3597-99
3871
3771
3722 ✓
3827

3762 excellent for crossing, ch A graph lt.

3758 still pollen cross 8/15 to BA50
3756 " " "

*high priority

CR FORM 6
APR. 1962

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Crops Research Division

FIELD NOTEBOOK
AGRONOMIC NOTES

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SCALE FOR ESTIMATING RUST

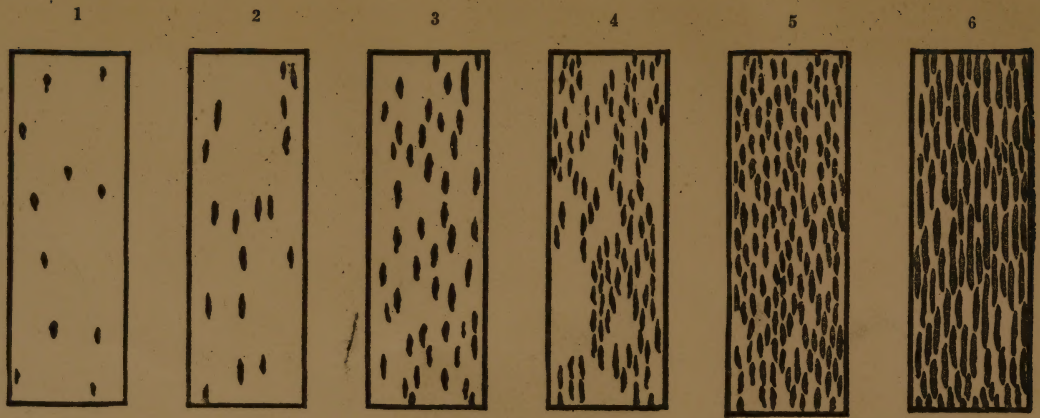


Diagram showing six degrees of rustiness, which may be used in estimating the percentage of rust infection on leaf or stem. The shaded spots represent rust, and the figures represent approximately the rust percentages computed on the basis of the maximum amount of surface covered by rust as shown in the 100% figure. This figure (No. 6 in the diagram) represents 37% of actual surface and is arbitrarily selected as 100%. Other percentages are in terms of No. 6.

This scale is easy of application. A number of leaves are gathered from the row or plot at random, and a number of plants carefully examined for stem rust; these are compared with the diagrams and the proper figures recorded in the notebook.

The plus or minus sign may be used to indicate a slightly greater or less amount of rust than the nearest figure.

While these figures may not express accurately the actual surface of host tissue rusted, they do provide a usable systematic method for recording rust infection, and will more intelligibly represent the facts than will figures showing resistance percentages or infection percentages on the 50% (maximum) basis.

Adair's Navy Sch.
No. 5449 to 5562

	Heading 1st / 2nd Rep	Stubble HB	2nd	Blast
5001	B5816 A3-23 - 7-17	BBR, Gulfrose x Renown (BP/3 x (MS) (R)	(39)	7316
5002 Pan Thr	7-17 "			✓
5003	B5817 A15-4-3-2 7-8	Gulfrose x Lacrosse		7330
5004 Pan Thr	7-8 "	-2		✓
5005	7-10 "	-3		✓
5006	B5817 A61-2-2- 7-15	2-1 (Sig)	(41)	7339
5007 Pan Thr	7-15 "	-2		✓
5008	7-15 "	-3		✓

		Rep	Stalk	2nd	
	1st				
			1 HB		
B5817A61-2-2BK, 7842	7-16		Gulfrose (M) (2)	Lacrosse 42	5009
	" 7-16	2			5010
	" 7-16	3			5011
B5817A61-3-2-2 7844	7-16		1 (MS) (2)	41	5012
	" 7-16		2		5013
	" 7-16		3		5014
B5817A61-4-2-2 7848	7-15		1 (S) (R)	47	5015
	" 7-15		2		5016

5017	B5817A61-4-2-2, 6 (7) 7-15	(S) (R)	Frosor x LaGrosse 47	7348
5018	B5817A61-5-2-1 7-10	(S) (R)	(38)	7350
5019	" 7-10			✓
5020	PI 215, 936, check 7-18			
5021	B5817A61-5-2-1 7-10	(S) (R)	(38)	7350
5022	B5817A61-7-2-2 7-16	(MS)	(48F	7359
5023	" 7-16	-2		✓
5024	" 7-16	-3		✓

			Stitt 2nd HB		
		B5817A61-8-2-1 Gulfrose x lacrosse			
7362	7-16	(ms) (3)	(34)		5025
				SNP Hr	
	" 7-16		-4		5026
					Pan Hr
	" 7-16		-3		5027
		B5817A61-23-2 Bk			
7365	7-16	(ms) (2pg)	(34)		5028
	" 7-16		-2		5029
					Pan Hr
	" 7-16		-3		5030
		B5817A61-11-2-2,			
7367	7-16	(ms)	35		5031
	" 7-16				5032
					Pan Hr

		1st Hd / HB	2nd	
5033	B5817A61-11-2-2. Gulfross x Jacross 7-15	(5)	35	7367
5034	B5817A61-14-2-3; 7-16	(MS) (1)	(40)	7371
5035	" 7-16	-2		✓
5036	" 7-16	-3		✓
5037	B5817A61-16-3-2; 7-16	(MR)	(39)	7374
5038	" 7-16	-2		✓
5039	" 7-16	-3		✓
5040	Nato, ck 7-17			7377

none of the 5817 hills are any taller than Nate.

			1st Hd / HB	2nd	
B5817A61-23-2-2				Gulfrose x Lacrosse	
7377	7-14	(MS) (2)		#3	5041
	" 7-14				5042
	" 7-16				5043
B5817A61-25-3-1					
7379	7-16	(MR) (2)		(39)	5044
	" 7-16				5045
	" 7-16				5046
B5817A61-25-3-3					
(382)	7-14	(MR) (2)		36	5047
	" 7-16				5048

5049	B5817A61-25-3-3, 7-16	(MR) (2)	36	7382
5050	B5817A61-27-2-1 7-14	(R)	(38)	7384
5051	〃 7-14			✓
5052	〃 7-14			✓
5053	B5817A61-27-2-3, 7-12	(R)	54	7402
5054	〃 7-12			✓
5055	〃 7-12			✓
5056	B5817A61-36-1-2 7-12	(long)	48	7407

BS817A61-36-1-2 Gulfrose x Lacrosse
7407 7-9 (2) 48 5057

" 7-12 5058

BS818A15-3-1-1; Gulfrose x PI215,936
7409 (3) (1) 42 5059

PI. 215, 936, ck 5060

BS818A15-3-1-1; Gulfrose x PI215,936
7409 (3) (1) 42 5061
7-18

" 3 5062

BS818A15-5-2-5
7416 (3) (2) (43) 5063
7-12

" 5064
7-12

5065	B5818A15-5-2-5, Galfrose x PI215 93 7-13	⑤ (2)	(43)	7416
5066	B5818A15-5-3-1 7-13	⑤	(39)	7418
5067	" 7-13			✓
5068	" 7-13			✓
5069	B5818A15-5-3-3, 7-13	⑤	48	7421
5070 Pan	" 7-13			✓
5071	" 7-13			✓
5072	B5818A15-7-2-3 7-15	⑤	(47)	7424

Too leafy, poor fruit appearance, prob. [illegible]

B5818A15-7-2-3; 2 Gulfrose × PI 215936
7424 (5) (47) 7-15 5073

" 7-15 5074

B5818A15-7-3-1,
7425 (5) (0) (58) 5075

" 5076

" 5077

B5818A15-7-3-3,
7427 (5) (0) 31 5078

" 5079

Nato, ck 5080
7-17

5081 B5818A15-7-3-3 Gulfrose x PI215936 (5) (0) (58) 7427

5082 B5818A15-9-1-1 8/23 (R) (41) 7428

5083 "

5084 "

5085 B5818A15-9-1-3 8/25 (R) (41) 7430

5086 "

5087 "

5088 B5818A15-9-2-1 (R) 15 7431

7431 B5818A 15-9-2-1, Galfrose x PI215936
Ⓡ 15
5089

✓ "
5090

7438 B5818A 15-13-2-1,1
(seg) (32)
7-15
5091

✓ " -2
7-15
5092
Pan
SNP

✓ " -3
7-15
5093

good to try alongside Nova

7441 B5818A 15-13-2-3
(seg) (32)
7-17
5094

✓ "
7-17
5095
Pan

✓ "
7-15
5096

dark green, semi-tall but
too tall

5097	B5818A15-15-1-1, 7-17	(5)	frase 35	PI 215 936 7442
5098	〃 7-17			✓
5099	〃 7-17			✓
5100	PI 215, 936, ck.			
5101	B5818A15-15-2-3, 7-15	(5) (0)	51	7447 ✓
5102	〃 7-15			✓
5103	〃 7-15			✓
5104	B5818A15-17-3-1, 7-12	(R)	(46)	7451

Typical Drawings

Check all of the B5818A lines for R1 & R6 & blasti

B5818A15-17-3-1 Gulfrose x PI 015936
7454 7-12 (R) (46) 5105 Pan Dw

" 5106
7-12

B5818A15-18-3-3
7456 7/18 (peg) (56) 5107
(3)

" -2 5108 Pan Dw

" -3 5109

B5818A15-19-2-2
7459 7-12 (peg) (51) 5110

" 5111 Pan Dw
7-12

" 5112
7-12

5113	B5818A15-19-2-3, G4 7-12	(seg)	froose × PI 215936 41 [illegible]	7461
5114 Pam	" 7-12			✓
5115	" 7-12			✓
5116	B5818A15-20-2-2BK 7-17	(MR) (1)	-1 50	7465
5117 Pam	" 7-15		-2	✓
5118 SNP	" 7-16		-3	✓
5119	B5818A15-20-3-2, 7-16	(seg)	(38)	7467
5120	Nato, ok 7-18			

V good short fat line

Rather leafy, V short, Very good watch

B5818A15-20-3-2; Galfrose x PI 215936

7467 7-12 (peg) (3D) 5121 Pan

" -3

7-13 5122

B5818A15-23-2-2

7470 (peg) (44)

7-13 (In) 5123

"

7-13 5124 Pan

"

7-13 5125

B5818A15-23-2BK-1

7472 (peg) 43

7-14 (In) 5126

" -2

7/20 5127 Pan

" -3

7-14 5128

5129 Pan↘	B5818A15-30-2-2-1 Gulfrose × PI 215936 7/31 erect panicles off-type sel (mutant)?	(peg) (2)	(27)	7481	
5130 Pan↘ Hv	〃 7/20	-2		✓	
5131	〃 7-18	-3		✓	
5132	B5818A15-30-2-3-1 7-18	(peg) (2)	32	7482	
5133	〃	-2		✓	
5134 Pan↘ Hv	〃 7-17	-3		✓	
5135	B5818A15-31-3-1 7/29	(S)	(51)	7504	
5136	7/24			✓	

7504 7/24	B5818A15-31-3-1, (S1)	(S1) Gulfrose x PI 215 936	5137
7510 7-18	B5818A15-34-2-1,-1 (MS)	(41)	5138
7/24	"	-2	5139
7/28	PI 215,936		5140
7510 7-18	B5818A15-34-2-1 (MS)	(41) -3	5141
7516 7-14	B5818A15-51-3-1 (MS)	42	5142
7-14	"	.2	5143
7-14	"		5144

5145	B5818A15-51-3-3, 7-17	(MS) (1)	Gulfrose (44)	x ID215 9	7518
5146	7-17 "	-2			✓
5147	7-17 "	-3			✓
5148	B5818A15-51-3BX, -1	(MS) (1)	(44)		7519
5149	"	-2			✓
5150	7-17 "	-3			✓
5151	B5818A15-56-2-2, 7-15	(5)	44		7525
5152	7-15				✓

7525	BS818A15-56-2-2, Gulfrose x PI 215 936	7-15	(3)	44	5153
7526	BS818A15-56-2-3,	7-12	(3)	(24)	5154
		" 7-12			5155
		" 7-12	(3) (0)	45	5156
7527	BS818A15-61-1-1,	7-12	(3) (0)	45	5157
		" 7-12			5158
		" 7-14			5159
	Nato, ck.	7-12			5160

5161	B5818A15-61-2-1, 7-12	(5)	Gulfrose x PI 215 936 (31)	7580
5162	" 7-12			✓
5163	" 7-12			✓
5164	B5818A15-61-2-3 7-12	(5)	(50)	7582
5165	" 7-12			✓
5166	" 7-12			✓
5167	B5818A15-62-2-3, 7-12	(5)	60 Reddick	7538
5168	" 7-12			✓

	B5818A15-62-2-3		Gulfgrose x PI 215 936			
7538	7-12	(S)	60 Gulfgrose			5169
	B5818A15-67-2-2					
7541	7-12	(R)	(43)			5170
	"					
	7-12					5171
	"					
	7-12					5172
	B5818A15-67-2-3			-1		
7542	7-12	(R)	59			5173
	"			-2		
	7-12					5174
	"			-3		
	7-12					5175
	B5818A15-77-1-1					
7546	7-14	(seg.) (O)	36			5176

5177	B5818A15-77-1-1, 2 Gu 7-18	(peg) (0)	frase x 46	PI 215936 7544
5178	" 7-16	-3		✓
5179	BS818A15-77-1 BK-1 7-17	(peg) (0)	(44)	7549
5180	FI 215,936			ck
5181	B5818A15-77-1BK 7-11	(peg) (0)	(44)	7549
5182	" 7-13	-3		✓
5183	B5818A15-77-3-1 7-14	(MS)	(40)	7550
5184	" 7-17	-2		✓

7550	B5818A15-77-3-1; Gulfrose x PI 215936	7-18	(MS)	(40)			5185
7556	B5818A15-86-1-1,	7-17	(S)	37			5186
✓	"	7-17					5187 Pa Hv
✓	"	7-17					5188
7561	B5818A15-89-2-2;1	7-18	(R)	(41)			5189 Hv
✓	"		-2			SNP	5190 Pa Hv
✓	"		-3				5191 Hv
565	B5818A15-89-3-3-1		(MS)	(50)			5192 Pa Hv

Short ht, erect, [illegible]
very het, Hoy.

5193	B5818A15-89-3-3, 6 (MS)		(50) frose x	PI 215936 7566
5194 Pan	"	-3		✓
5195	B5818A15-89-3-4, ✓ 7-17 (MS)		48	7566
5196	"	-2		✓
5197 Pan Thr	"	-3		✓
5198	B5818A15-89-3-5, 7-17 (MS)		(56)	7567
5199 Pan Thr	7-18 "			✓
5200	Nato, ck			

check blast 8th Rd

B5818A15-89-3-5 Gulfrose x PI 215936					
7567	7-25	(MS)	(50)		5201
B5818A15-93-3-2-1					
7570	7-24	(S)	38		5202
"			-2		
✓	7-22				5203
"			-3		
✓	7-22				5204
B5818A15-97-3-3-1					
7574	7-13	(MS)	50		5205
"			-2		
✓	7-15				5206
"			-3		
✓	7-15				5207
B5818A15-101-2-2-1					
7576	7-15	seg	47		5208

5209	BS818A15-101-2-2, Gulfrose x PI 215936 7-15	(any)	(39)	7576
5210	" 7-17	"	"	✓
5211	BS818A15-108-1-1 7-17	(MS)	48	7601
5212	" 7-17	"	"	✓
5213	" 7-17	"	"	✓
5214	Calif-Sel-27, Cody x PI 160828 (common) 7-18		40R +1L	8418 Common
5215	" 7-18	"	"	✓
5216	" 7-18	"	"	✓

Common types from waxy lines

Sel-30 Cody x PI 160 878 (common)			
8419 common	7-12	39	5217 Pa
"	7-18	45 L	5218 Pa
"	7-17		5219 Pa
	Nats, ck. 7-18		5220
Sel-C4-1-4-8, 9481 common	7-12	27	5221
"	7-12	25 L	5222 Pa
"	7-12		5223
" 5518 common	7-25		5224

Common endosperm Types from

5225 Ran	Calif-5564A3, (Col x A. Mochi) x Caloro/4 (common) 7-25	28 / 55	L	8518 common
5226	" 7-25 Fail			✓
5227 Ran Hr	Calif-5564A4 7-25 grow along side Caloro. Have Rod check cold tolerance	22 / 65	L	8521 common
5228	Calif-5528A8 (Sm-4 x Cody 40) x Calrose/2 7-23	47		8529 common
5229 Ran	" 7-23	57	L	✓
5230	" 7-23			✓
5231 Ran Hr	Calif-5530A-2, (Col x A. MoCHi) x Caloro/4 7-24	34 / 39	L	8544 common
5232	Crowley-7358 7-20			8612 common

Wavy lines

Crowley - 7358		85	5233
8612 common 7-20			
7-20	11		5234
7-20	11		5235 Pan
	11	82 H	
7-20	11		5236 Pan
7-20	11		5237
9614 7-20 common	11	85	5238
7-20	11		5239 Pan
		92 I/H	
7-19	Nato ck.		5240

Very tall Army, long tubes

Common Sels. from Waxy lines

5241	Crowley-7358 7-22 one tall		85	86/4 common
5242 Pan ✓ Tw	7-22	"		✓
5243	7-22	"		✓
5244	7-22	"		✓
5245	PI 198 136 (China) 7-19 compact pan, med ht.		16 ~~Com~~ ✓ opaque	8668 common
5246	7-19	"		✓
5247 Pan ✓	7-19	"		✓
5248	PI 215 864 7-18		17 I	8731 common

Waxy types start HERE

CALif-Sel-5, Cody x PI 160,828

8401	7-14	54R / 47 Red L		5249
	" 7-12		Bulk	5250
	" 7-12			5251
Calif Sel-8				
403	7-17	63R / 50 Red L		5252
	" 7-17		Bulk	5253
	" 7-15			5254
Calif Sel-10				
406	7-13	29 / 51 Red L	Bulk 5253,5254	5255
	" 7-13			5256

5257	Calif Sel-10, 7-13	Cody x PI 160,878 29	8406
5258	7-13 "		✓
5259	7-14 "		✓
5260	Waxy Zenith, ck 7-21		
Calif. 5261	Sel-10, 7-14	29	8406
5262	Calif Sel-14, 7-14	52 Red L	8407
5263	7-21 "		✓
5264	7-17 "		✓

Calif Sel. 24, Cody PF 160,878

8415 (Rough) 5 (common) 5265

Buck 9/2

" 5266

" 5267

Calif. Sel. 24 (Smooth) "

7416 7-23 (waxy) 5268

Buck

" 7-23 5269

" 7-23 5270

Calif. Sel-27, "

7418 40R 5271

7-25 43 Red L

" 40R 5272

7-25

Buck with 5271 & 72

5273 Calif. Sel-27, Cody x PI 160,878 7-25 40R 8419

5274 Calif Sel-30, 7-13 " 39R 48 Red L 8419

5275 7-20 "

5276 7-18 "

5277 Calif. Sel-41, 7-13 " 61 32 Red Rumen 59 Red 8421

5278 7-15 "

5279 7-11 "

5280 Waxy Zenith, ck. 7-21 44 Red L

8424	Calif. Sel-42, Cody 7-19S	x PI 160,878 45/50 Red L	5281
L	" 7-19		5282
L	" 7-12 earliest & shortest. Keep separate & increase if promising type, V good row for Commercial use		5283
8426	PI. 224 499 7-17	14R/57 Red L	5284
L	" 7-17		5285
	" 7-17		5286
8427	PI 224 902 7-29	50R/43 Red L	5287
L	" 7-29		5288

5289	PI 224 902 7-29	50R		8427
5290	PI 226 182 7-17	18R 50 Red L		8430
5291	" 7-17			✓
5292	" 7-17			✓
5293	PI 224894 7-22	50		8433
5294	" 7-22			✓
5295	7-22			✓
5296	Calif-5424A2 (C6, Sm. Cala.(49) x Caloro 7-24	33 41 Red L		8437

Ran[illegible] like 5285 [illegible]
gr[illegible] coarse long culms

without jap. rough

8437 7-24	Calif-5424A2 (Cb, Smooth Calady 40) x Calore	33	5297 Hr
7-24	"		5298 Hr
8439 7-24	Calif-5424A3	49 23 Red L "	5299 Hr
7-21	Wavy Zenith		5300 Hr
8439 7-29	Calif-5424A3	49 "	5301 Hr
7-26	"		5302 Hr
8442 7-23	Calif-5424A4	48 56 Red L "	5303 Hr
7-19	"		5304 Par Hr

Tall pop. like Calore

Long-b L

Fair Calore type

good Calore type

5305	7-24	Calif - 5424A ♀, (66, Sm Calady ♂) x Calo 48	8442
5306	7-24	Calif.- Sel-28, Cody x PI 160,878 35/54 Red	∠ 8446
5307	7-24	〃	∠
5308	7-24	〃	∠
5309	7-22	Calif - 4616A12-1, (C61 x AMochi) x Calaro 3 45/20 Red	∠ 8449
5310	7-22	〃	∠
5311	7-22	〃	∠
5312	7-23	Calif. 4616A13-1, 45/22 Red	∠ 8452

Calif-4616A13-1, (Col. x A. Mach.) x Calora/3
8452 45 5313
7-23 Good Calora type
" 5314
7-23 Good Calora type

Calif-4616A6-1,
8454 27/53 Red ∠ " 5315
7-20 Good Calora type
" 5316
7-20 Good Calora type
" 5317
7-20 Good Calora type

Calif-4616A9-1-2,
8457 30/32 Red ∠ " 5318
7-22 Good Calora type
" 5319
7-22 Good Calora type

Wavy Zenith, ck 5320
7-19

5321	Calif-4616A9-1-2, (Col x A. Mock) x Calotrop	7-22	30	8457
5322	Calif-4616A9-1-3,	7-22	34" / 49 Red	L 8460
5323		7-22		✓
5324		7-20		✓
5325	Calif-4616A9-1-4,	7-22	34" / 53 Red	L 8464
5326		7-22		✓
5327		7-22		✓
5328	Calif-4616A11-1-4,	7-22	28" / 52 Red	L 8466

Calif-4616A11-1-4, 8466 7-22	good Caloro type	(Col x A. Mach.) x Caloro)3 28		5329 Par Hr
✓ 7-22	"			5330 Hr
Calif-4616A12-1-3, 8468 7-22	good Caloro type	42/54 Red L	"	5331 Hr
✓ 7-22	"			5332 Par Hr
✓ 7-22	"			5333 Hr
Calif-4616.A11-1-3, 8472 7-22	good Caloro type	61/45 Red L	"	5334 Hr
✓ 7-20	"			5335 Par Hr
✓ 7-22	"			5336 Hr

5337	Calif-4616A11-1-3, (Col x A. Moch.) x Caloro/3 7-23		40 / 34 Rod	L	8474
5338	7-23 "			L	
5339	7-23 "			L	
5340	Waxy Zenith, ck 7-20		43 Rod	L	
5341	Moch. Gom. 7-26		38 Rod	L	8478
5342	7-26 "			L	
5343	7-26 "			L	
5344	C11-4-10-1 (Col x A. Moch.) x Caloro/2 7-9		9R / 34 Rod	L	8483

C11-4-10-1, (Col. x A. Moch.) x Caloro/3

8483 7-9 5345

" 7-9 5346

" 7-9 5347

" 7-9 5348

" 7-9 5349

Calif-5563A1 (Col. x A. Moch.) x Caloro/4

8503 7-28 5350

" 7-26 5351

" 7-28 5352

5353	Calif-5563A2, 7-25	(Col x A. Mochi)		x Calora 8506
			49 Red	
5354	7-25 "			✓
5355	7-25 "			✓
	Calif-5563A		"	
5356	7-24			8509
			46 Red	
5357	7-24 "			✓
5358	7-24 "			✓
	Calif-5563A4,		"	
5359	7-24			8512
			45 Red	
5360	7-19 Waxy Zenith ck.			

Calif-5563A4, (Col. x A. Mochi) x Coloro/4 5361
8512
7-24 good Coloro type
Pam
Hv

✓ 7-24 " 5362
Hv

Calif-5564A2 " 5363
8515
7-20
Hv
54 Red

✓ 7-20 " good Coloro type 5364
Pam
Hv

✓ 7-24 " 5365
Hv

Calif-5564A3, " 5366
8518
7-20
Hv
52 Red

✓ 7-20 " good Coloro type 5367
Pam
Hv

✓ 7-20 " 5368
Hv

Those designated good Calro types look alike & could be truth

5369	Calif-5564A4, (Col x A. Mochis) x (Calro/			8527
	7-20		53 Red	
5370	7-20	11 Calro		✓
5371	7-25	11 good Calro		✓
5372	Calif-5565A1, 7-24	11	54 Red	8524
5373	7-24	11 Calro type		✓
5374	7-24	11 good Calro type		✓
5375	Calif-5565A2, 7-23	11 Calro type	24 Red	8526
5376	7-23	11 good Calro type		✓

for field Testing

Calif-5565A2, (Col x A. Mackii) x Calora 4
8526
7-23
5377

Calif-5529A1, " 5378
8532
7-23
50 Red
" 5379
7-23

Wavy Zenith, ch 5380
7-20

Calif-5529A1, " 5381
8532
7-23

Calif-5529A3, " 5382
8535
7-24
49 Red
" 5383
7-24
" 5384
7-24

5385	Calif-5529A4, (Col x A. Mochi) x (Calo x		8538
	7-23	42 Red	
5386	7-23	"	✓
5387	7-23	"	✓
5388	Calif-5530A2,	"	8544
	7-23		
5389	7-23	"	✓
5390	7-23 Buds not shown	"	✓
		54 Red	
5391	Calif-5530A3,	"	8547
	7-26	51 Red	
5392	7-26	"	✓

Calif-5530A 3, (Col x A. Mochi) x (Aloro) 4
8547 7-26 5393

PI 215, 864 (Glut)
8601 7-21 5394

37 Red

" 5395
7-21

" 5396
7-21

Crowley-7356
3607 7-28 5397

" 5398
7-30

50 Red

" 5399
7-31

Waxy Zenith. ck 5400
7-22

44 Red

5401	Crowley – 7356 7-29			8610
5402 Hr	7-28		64 Red	8610
5403 Pa ✓ Hr	7-26			✓
5404 ✓ Pa	Crowley – 7358 7-19		77 yellow	8612
5405 Hr	Crowley – 7359 7-24		63 Red	8616
5406 Pa ✓ Hr	7-24			✓
5407 Hr	7-24			✓
5408 Hr	Crowley – 7362 8/1		63 Red	8618

Too dull, large culms " " sturdy

as like 5401 – D3 "

Crowley - 7362

8618 9/1 — 5409

" 7-21 — 5410

PI 160, 541 (China)

8629 7-21 — 5411

47 Red

" 7-21 — 5412

" 7-21 — 5413

PI 215 864 Shinchiku - Mochi - iku

8619 7-24 — 5414

40 Red

" 7-24 — 5415

" 7-24 — 5416

5417	PI 160, 537 (Glut) 7-13			872
			42 Red	
5418	7-13	Very hill, rough shutter		✓
5419	7-13	Teeth show dark		✓
5420	Wavy Zenith. ck 7-21			
5421	Glut. Zenith, Jam III 7-21.	5		8725
5422	7-21	Good shot 5420 doc		✓
5423	7-20			✓
5424	PI 160, 534 7-13			8728
			46 Red	

PI 160, 534
8728 7-17 5425 Par Hw

" 5426 Hw
7-13

PI 215, 864
8731 5427 Hw
7-23

38 Red

" 5428 Par Hw
7-23

" 5429 Hw
7-23

PI 239073, Reishika, (Jap) 5430 Hw
8734
7-31

R,O 39 Red

" 5431 Par Hw
V Tail Stripes

" 5432 Hw

5433	PI 276 154, SML-242 (Surinam) 7-13			8839
			23 Red	
5434	〃 7-16			✓
5435	〃 7-17			✓
5436	Koto Buki Mochi (Jap) 7-26			9509
		R, Tn	16 Red	
5437	〃 7-26			✓
5438	〃 7-26			✓
5439	TAHEI Mochi (Jap) 7-23			9511 Buck
		R, I		
5440	Waxy Zenith 7-19			

TAHEI Mochi (Job)
9511 7-16
Buck
R. 1 16 Red
5441

" 7-16
5442

TAICHUNG MON-Hua-Shu
9578 PI 248,486
Buck
7-24
26 Red
5443

" 7-24
5444

" 7-24
5445

start of adon glutinous collection
CI 6646 (~~TAIWAN~~) JAPAN
waxy
5446

5447

5448

Glutinous varieties from ADAIR 5446 to 5562.

5449	7-26	(TAIWAN)	CI 8354 WAXY	27 Red
5450	7-26		✓	
5451	7-26		✓	
5452	6-30	(TAIWAN)	CI 8472 WAXY	28 Red
5453	6-30		✓	
5454	6-30		✓	
5455	7-27	(TAIWAN)	CI 8552 WAXY	19 Red
5456	7-27		✓	

CI 8552 7-29 WAKY	(TAIWAN)	5457
CI 8556	(TAIWAN)	5458
✓		5459
✓		5460
7-21	Waky Zenith	5461
CI 8558	21 Rad (TAIWAN)	5462
✓ 7-29	22	5463
✓		5464

5465	8/4		(Japan) PI 226155 (WAXY)	23 Red
5466				✓
5467				✓
5468	7-30		(Japan) PI 226156 (WAXY)	
5469				✓
5470				✓
5471	7-5		(Japan) PI 224819 (WAXY)	24 Red
5472	7-5			✓

PI 224897 (WAXY) 7-6		(Japan)	5473
PI 226189 (WAXY) 7-5		(Japan) 35 Rod	5474
✓	7-5		5475
✓	7-5		5476
PI 224937 (WAXY) 6-25		(Japan) 13 Rod	5477
✓	6-25		5478
✓	6-25		5479
7-20	Waxy Zenith, ok		5480

5481	6/15		(Japan) upland PI 224821 Common?
5482	6/15	Bulked HV.	F1 Red Rum 57 Red ✓
5483	6/15		✓
5484	7-4		(Japan) Upland PI 226172 Common?
5485	7-4		43 ✓
5486	7-3		✓
5487	7-21		(Japan) Upland PI 226172-1 Common?
5488	7-21		✓

PI 226172-1 common? 7-21	(Japan) Upland	5489
PI 224851 Hopkins 8/1	(Japan)	5490
✓		5491
✓		5492
PI 226~~205~~ common? 8/10	(Japan) Upland	5493
✓		5494
✓		5495
PI 224838 (W AXY)	(Japan) No plant	5496

must test Japanese
must test Japanese

5497	No plants	(Japan) PI 274838 (WAXY)	
5498	No plants		✓
5499	Waxy Zenith, ck 7-21		
5500	7-20	(Japan) PI 224808 (WAXY) 34 Red	
5501	7-23		✓
5502	7-20		✓
5503	7-17	(Japan) PI 224934 (WAXY) 29 Red Brown 57 Red	
5504	7-17		✓

PI 224934 (WAXY)	7-17	(Japan)	5505
PI 224929 (WAXY)	7-10	(Japan) #3 Red	5506
↓	7-10		5507
↓	7-10		5508
PI 226187 (WAXY)	7-6	(Japan) #5 Red	5509
↓	7-5		5510
↓	7-5		5511
PI 224842 (WAXY)	7-1	(Japan)	5512

5513 Pal	7-7		(Japan) PI 224842 (WAXY) 61 Red
5514 Pal	7-7		✓
5515 Hv	7-7		(Japan) PI 224836 Upland Common? 41
5516 Pal Hv	7-5	V short lt Japonica short pa	✓
5517 Hv	7-7		✓
5518 Hv	6/15		(Japan) PI 226170 (WAXY) 39 Red
5519 Hv	6/15		✓
5520 Hv	6/15		✓

Waxy Zenith, ck 5521
(C-21 WAXY)

(Japan) 5522

PI 226195 7-6
(WAXY)

40 Rd

7-6 5523

red leaves

7-6 5524

(Japan) Upland 5525

PI 226197
Common?
7-3

31

7-3 5526

7-3 5527

Variegated Leaves

(Japan) 5528

PI 226191
(WAXY) 7-8

48 Rd L

5529 Hr Ra	7-6		(Japan) PI 226191 (WAXY)
5530 Hr	7-9		✓
5531 Ra	7-3		(Japan) PI 226198 (WAXY) 37 Red ✓
5532 Ra	7-4		✓
5533	7-4		✓
5534 Hr	7-27		(Japan) I 224982 (Japan Hr Waxy) 40 Red ✓
5535 Ra Hr	7-27		✓
5536 Hr	7-26		✓

PI 224908 7-10 (Japan) 5537
(WAXY) Hv

45 Red L

7-10 5538
Pa Hv

7-10 5539
Hv

Waxy Zenah, ch 5540
7-19 Hv

(43 Red L
Indonesia)

CI 7-22 5541
N32 Pa
Mixed?
(common/WAXY)

50 L/I

7-26 5542
Pa

7-26 5543

(Philippines) 5544
CI Hv
654
(WAXY)

70 Red H

5545 8/6 S (Philippines) CI 654 (WAXY)

5546 ✓

5547 (Philippines) CI 654-1 (WAXY)

69 Red H/L

5548 8/6 S ✓

5549 ✓

5550 8/6 S (Philippines) CI 654-2 (WAXY)

68 Red T/H

5551 S ✓

5552 S ✓

(Phelippines)

C.I. 654-3 (WAXY)

70 Red H/L

5553

5554

5555

Ph. Is. CI 654-3

(Phelippines)

C.I. 654-4 (WAXY)

66 Red S/H

5556

5557

5558

Ph. Is. CI 654-4

Waxy Zenith, ck

7:20

5559

(Phelippines)

C.I. 654-5 (WAXY)

69 Red S/H

5560

Adair Waxy varieties end on 5562

5561	8/6		(Phelppines) CI 654-S (Waxy)
5562			✓
	End of Adair Waxy varieties		
5563	Crowley Waxy 471X-1 7-21		B62-20,423 75 Rd I/H
5564	7-21		✓
5565	7-21		✓
5566	7-21		✓
5567	7-21		✓
5568	7-21		✓

Crowley Waxy 2585-6-1
B62-20,424

75 Rad H?

5569

5570

5571

5572

7-31

5573

5574

7-31

Waxy CP 231,
B62-20,421
7-31

75 Rad I/H

5575

5576

7-31

5577	Waxy CP 231 7-31			B62-20,42
5578	7-31			✓
5579	7-31			✓
5580	7-31			✓
5581	Waxy Zenith, ck 7-19			
5582	C5281 (INdiva) Day length, INSENSITIV 7-12		44 Red L	C 5281
5583	7-12		13	I ✓
5584	7-12			✓

a very tall small stemmed type, taller than CP, V uniform, much later than CP, med dark green, med narrow leaf, med large culms. V [illegible]

also sown 2914 to 2959

Looks like T1 from India

Tall, weak stem, leafy, [illegible]

THAILAND (Waxy) upland

C-5560 8/2

42 Red I/c

5585 Hv

5586 Pan Hv

5587 Hv

v tall, Rathulla

THAILAND (Waxy)

C-5565 8/7

35 Red I

5588 Hv

5589 Pan Hv

5590 Hv

v tall,

THAILAND (WAXY)

C-5561 7-315

5591

7-315

5592 Pan

segregate

43 Red I

5593 C-5561, (THAILAND) WAXY C-5561
7-31

5594 C-5566, (THAILAND) WAXY C-5566
7-31

44 Red I

5595 7-31

5596 7-31

5597 C-5568 (THAILAND) (WAXY) IVE C-5568
7-31

37 Red L

5598 7-30

5599 7-30

5600 Waxy Zenith, ck
7-22

C-5569 8/1 (Thialand, Waxy) ~~Upland~~ 5601 Hv

53 Red L

✓ 5602 Pa Hv

✓ 5603 Hv

Cal 62R Calif Hybrid Line from Adair

5041 7-12 5604 ✓ Pa Hv

64 I/H

✓ 7-12 5605 Hv

✓ 7-12 Bulked 5606 ✓ Pa Hv

✓ 7-12 5607 ✓ Pa Hv

7-12 5608 Hv

V early, hard seed, mostly Jap st. range

Hybrid lines from California,

5609 Hr	7-12			Cal 62 R 5041
5610 Hr	7-10			Cal 62 R 5044
			64	I/H
5611 Hr	7-10			✓
5612 Pa Hr	7-10			✓
5613 Pa Hr	7-10			✓
5614 Pa Hr	7-10			✓
5615 Hr	7-10			✓
5616 Hr	7-12			Cal 62 R 5047
			70	H

Bulked

Essentially the same as CR 5044/1
occasional rough

(Saved-nutt cross (probably)

Sent by Roy Adair.

Cal 62R5047
7-12

7-12

7-12

Bluebonnet SD, ck
8/11

Cal 62R5047
7-14

7-14

Cal 62R5054
7-12

7-12

5617
Pan
Hr

5618
Pan
Hr

5619
Pan
Hr

5620

5621
Hr

5622
Hr

5623
Hr

5624
Pan
Hr

Bulked

Bulked

65 H

5625 Pan Hr	7-12			Cal 62K5054	
5626 Pan Hr	Bulked 7-12				✓
5627 Hr	7-12				✓
5628 Hr	7-12				✓
5629 Hr	7-18			Cal 62K5059	
			68	4	
5630 Pan Hr	7-19				✓
5631 Pan Hr	Bulked 7-19				✓
5632 Pan Hr	7-19				✓

Taller than others, standing
very well, mostly smooth, few rough
straw + gold, V heavy yielding plants,
good test on tall side

Cal 62R5059
7-19

5633

J-19

5634

Cal 5141
7-9

5635

65 H

7-9

5636

Bullfrog

7-9

5637

7-9

5638

7-9

5639

Bluebonnet 50, ck

5640

most of the sels show beak on glumes, prob not all due to sh hd tendency

much like R 5741 sl narrower leaf & most of the colors plant appearance, smooth glds

5641 Hr	7-9		Cal 62 R 5141		
5642 Hr	7-10		Cal 62 R 5144 63	H	
5643 Pan Hr	7-10			✓	
5644 Pan Hr	7-10			✓	
5645 Pan Hr	7-10			✓	
5646 Pr Hr	7-10			✓	
5647 Hr	7-10			✓	
5648 Hr	7-9		Cal 62 R 5166 (labeled 5156 on seed list) 68	H	

Cal R 5166 (labeled 5156 on saddlink) 7-9

5649

7-9

5650

Bulbd

7-9

5651

7-9

5652

7-9

5653

Cal R 5159

7-9

5654

66 Hrs

7-9

5655

Bulbd

7-9

5656

		Sh Hd 62	2od alk 62 63	Bluntt 62 63
5657 Hr	7-9 Bulkhead		Cal 62R 5159	
5658 Pan Hr	7-9		"	
5659 Hr	7-9		"	
5660 Hr	Bluebonnet 50, check		17	
5661	B5617A4-38-1-2, Rex 2x PI 183,331 8/10		23	2112
		(MS)	23	25
5662	8/12 "			"
5663	8/4 "			"
5664	B5617A4-38-1-2, 8/12			2113
Hr		(MS)	23	

	Stubble	2nd alk	Biuret
	62 63	62 63	62 63
B5617A4-38-1-2 (MS), 8/12		Rex/2 23 I	x PI 183 33 25
			5665
			5666
B5617A4-38-1-3 (S) 8/12		22	28
			5667
			5668
			5669
B5617A4-38-1-4 8/15			
			5670
	(MS)	23 F	27
			5671
			5672

		str. Hd	2nd calk 62 / 63	Bennet 62 / 63
5673	B5617A22-23-2-3, 8/16		Rex/2	x PI 183381 2145
		(S)	13	28
5674	"			L
5675	"			L
5676	B5617A32-3-2-3, 8/12		"	2171
		MR	20	32.5
5677	"			L
5678	"			L
5679	B5617A32-8+1-1, 6/18		"	2182
5680	Bluebonnet 50, ck 8/1			

B5617A32-81-1-1, Rex/2 x PI 183,331
I/82
9/18
5681

✓ 7/28 S "
5682

B5617A34-5-5-2, "
2202 1/29
(5) (12) 6 I
5683

✓ "
5684
✓ Pa

"
5685

B5617A36-69-2-6 "
2/10 8/14
all straw hulls
21 28.5 15 I
5686
✓ Pa
Sto

Profuse tillering, short ht
straw hulls, sl spreading

deep straw & gold → "
v. sht ht.
R to C D
5687

"
5688

5689	8/13	B5617A36-69-2-6,			2211
			21	I	29.5
5690	8/10	"	-2		
5691	8/10	"	-3		
5692	8/15	B5617A43-19-1-1,	"		2232
			20		28.0
5693	8/15	"			
5694	8/16	"			
5695	8/1	B5617A43-27-1-3,	"		2242
			HAI	9 I	28.0
5696	8/1	"	-2		

B5617A43-27-1-3, 3 Rex/3 x PI 183331 2242 8/1		5697
B563A1-2-2-4, Irrad C1231 (Rex) x BBt 50 9938 8/1		5698
〃 8/1		5699
Bluebonnet 50, ck		5700
B563A1-2-2-4, 9938	〃	5701
B563A1-2-2-4 9939	〃	5702
〃		5703
〃		5704

all dwarfs

5705	B563A1-2-2-1, 8/2	Irrad (P231(DW) x BBt50		9943
5706	"			✓
5707	"			✓
5708	B563A1-11-1-1, 8/2	"		9962
5709	"			✓
5710	"			✓
5711	B563A1-11-1-3,	"		9964 Duck
5712	"			✓

B563A 1-11-1-3, Frrad (P23)(Pur) x BBT 50
9964 8/2 5713
Buck
dead

B585A1-2-1-2, BBT50 x Dima
2275 8/6 5714

" 5715
8/6

" 5716
8/6

B585A1-7-1-2, "
302 8/2 S 5717
Pan

SvR 20 35.0

" 5718
8/2 S

" 5719
8/1

Bluebonnet 50, check 5720
9/1

5721	8/15	B585A1-14-1-3,	BB150 x Dima		2311
5722	8/15	"			✓
5723	8/10 S	"			✓
5724	8/12	B585A1-25-1-2,	"		2316
Pan			51	15	31.0
5725	8/15	"			✓
5726	8/15	"			✓
5727	8/4	B585A1-27-1-2,	"		2331
5728	8/4	"			✓

B585A1-27-1-2, BB450 x Dima
2321 8/4 5729

B585A1-28-1-3, "
2325 8/3 S 5730

(51 26 I 240

" 5731
8/7 Pan

" 5732
8/9

B585A1-33-1-2, "
338 8/13 5733

" 5734
8/10

" 5735
8/10

B585A1-38-1-2-1-1 "
346 8/13 5736
Pan

45 40 260

5737	B585A1-38-1-21-2BB850 8/6 S			x Dima 2346
5738	8/13 " -3			✓
5739	B585A1-46-1-2, 8/16		"	2362
5740	Bluebonnet 50, check 8/2			
5741	B585A1-46-1-2, 8/8			2362
5742	8/4 S "			✓
5743	B585A1-47-1-1, 8/10		"	2365
5744	8/5 S "			✓

B585A1-47-1-1, 23658 8/4 S	BB750 x Dina		5745
B585A1-47-1-2, 23689 8/15	"		5746
8/15	"		5747
8/15	"		5748
B585A1-47-1-3, 2371 8/6	"		5749
8/7	"		5750
8/13	"		5751
B585A1-57-1-3,-3-1 2382 8/7 S	"		5752

5753 Pan	B585A1-57-1-3;3-2 BBt50 × Dima 8/3 S	(VS)	22	2382 29.5
5754	8/3 S ″	-3		✓
5755	B585A1-61-1-2,3-1 8/13	VS	″ 20	2404 28.5
5756	8/13 ″	-2		✓
5757 Pan	8/13 ″	-3		✓
5758	B585A1-65-1-2, 8/4	(S)	″ 18	2419 28.5
5759	8/4 ″			✓
5760	Bluebonnet 50, ck 8/1			✓

Look like BBt 50, except longer grain & leaves darker green & more erect

2419 8/3	B585A1-65-1-2,	BB450 x Dixie		5761 Pan
2425 8/13	B585A1-67-1-2,	"		5762
8/15	"			5763
8/16	"			5764
2430 7/27 S	B585A1-69-1-1,	"		5765 Pan
	(81	23	240	
7/28	"			5766
7/28	"			5767
2432 7/26 S	"			5768 Pan
	(81	23	240	

5769	B585A1-69-1-1, 7/28 S		BB450 x	Dima 2432
5770	7/26 S "			✓
5771	B585A1-78-1-3, 8/9		"	2448
5772	8/9 "			✓
5773	8/9 "			✓
5774	B585A1-79-1-2, 8/3		"	2450
Pan		(11)	19	28.0
5775	8/3 "			✓
5776	8/1 S "			✓

2456	8/13	B585A1-82-H,	BBt 50 x Dima		5777
	8/13	"			5778
	8/9	"			5779
	8/12	Bluebonnet 50, ck			5780
2461	8/14	B585A1-82-1-2-3-1	"		5781
	8/11	"	-2		5782
	8/11	"	-3		5783
		(51	26	29.0	
2464	8/10	"			5784

5785	B585A1-84-1-2, 8/8		BB750	x Dima 2464
5786	" 8/8			✓
5787 ✓Par	B585A1-84-1-3, 8/6	5	' 28	2466 29.5
5788	" 8/6 Tall row			✓
5789	" 8/6			✓
5790	B585A1-85-1-1, 8/8	vs	23	2469 33.0
5791 ✓Par	" 8/8			✓
5792	" 8/8			✓

Extreme for short, erect growth
dark green, erect flag, med length to
short flag.

B585A1-85-1-1, BB750 x Dima

2470 9/7 5793

" 9/7 5794

" 8/17 5795

B585A1-93-1-1, "

2481 8/11 5796

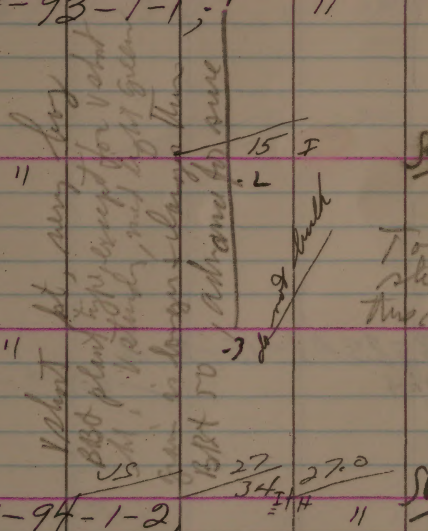
" 9/16 5797

" 9/12S 5798

B585A1-94-1-2, "

2502 9/9 5799

Bluebonnet 50, check 5800



5801	BS85A1-94-1-2, 9/16		BBt50	x Dim 250 2
5802	8/17 "			✓
		VS	37	27.0
5803	BS85A1-61-1-3 BK, 9/2	S, 2	33 "	260 266
5804	"			✓
5805	"			✓
5806	BS85A1-15-3-2, 9/17	A(0)	14 "	90° 266 S
5807	"			✓
5808	"			✓

B585A1-15-3-2, BB150 x Dima

2666 8/13 — 5809 Pa

(2) 14 26-0

" — 5810

" — 5811

B585A1-15-3-2, "

2668 8/13 — 5812

2 15 I 28-0

" — 5813 Pa

" — 5814

B585A1-47-1, "

9922 8/12 — 5815

" — 5816

8/10

5817	B585A1-47-1, S/2		BBt50 x Dina	9922
5818	S/1	"		9923
5819	S/1	"		✓
5820	S/4	Bluebonnet 50, check		
5821	B585A1-47-2, S/1		"	9923
5822	B585A1-47-3, S/1		"	9924
5823	S/1	"		✓
5824	S/1	"		✓

B585A1-47-4, 7925 8/1		BB 50 x Dima	5825
8/1	"	-2	5826 Pa
8/1 S	"	-3	5827
B585A1-47-5, 7926 7/8 S		"	5828
7/8 S	"	-2	5829 Pa
7/8 S	"	-3	5830
B585A1-47-6, 7927 8/8		"	5831
8/8	"		5832

5833	B585A1-47-6, 8/7	BB450 x Dina		9927
5834	B585A1-50-1, 8/4	"		9928
5835	8/4	"		✓
5836	8/4	"		✓
5837	B585A1-50-2, 8/6 S	"		9929
5838	8/1 S	"		✓
5839	8/4	"		✓
5840	8/4	Bluebonnet 50, check		

B585A1-50-3,-1	BB50 x Dyna			5841
9930 (early pl. subs) 7/25 S				Pa
8/10	"	-4		5842
8/14	"	-3		5843
B585A1-60-1, 9931 8/11		"		5844
	"			5845
	"			5846
B585A1-60-2,-1 9932 8/11 S		"		5847
8/4	"	-2		5848

Tall Blkd sp

5849 Par ~~Ha~~ SNP	B585A1-60-2,-) BB450 x Dima 8/4 V uniform, good BB450 type, sl shorter ht longer panicles			9932
5850	B585A1-60-3, " 8/4			9933 Bulk
5851 Par	" 8/4 S			✓
5852	" 8/4S			✓
5853	B5481A21-1-1, TP x (CP-231 x TP) 8/10			9934 (Bulk)
5854	"			✓
5855	"			✓
5856 Par	" 8/ normal type looks like BB450 but exp. pedicels & straws much shorter ht. Segr Tall / dwarf Talls look V good			9934 (Pl. Sel

Dwarf rows
look like haploids, prob a
grass type dwarf

B548 1 A21-1-1 TP × (CP-23 × TP)
2935 8/10 5857

" 5858

" 5859

Bluebonnet 50, ck. 5860

B548 1 A21-1-1
2936 8/10 5861

" 5862

7/28 " Tall dwarf 5863
Sel. Jack

B583 A1-23-1-1-1 CP23 1 × Dima
2773 8/5 5864

73 (E/H) 31.5

		B583A1-23-1-1-CP231 x Dima			
5865	8/5				2773
5866	8/5		-3		✓
5867		B583A1-26-3-1-1	11		2783
				36 (I)	31.5
5868			-2		✓
5869			-7		✓
	SWP	most uniform shortest lat			
5870	8/13	B583A1-37-3,	11		2815
			(S)	22 (I)	320
5871	8/10	11			✓
5872	8/14	11			✓

B583A1-41-3, CP231 x Dima 5873
2221 8/15

(S) 14 28.0

8/9 S " 5874 Pa

8/10 " 5875

B583A1-46-3-3, " 5876
832 8/10

S 19 28.0

" 5877 Pa

" 5878

B583A1-49-3, " 5879
837 8/12

Bluebonnet 50, ck. 5880
8/

Ux

5881	B583A1-49-3, CP231 x Dima 8/12		34	2837 32.0
5882 ✓ Pa	" 8/12 Shofy BBst, long flags			✓
5883	B583A1-56-3-2-1 8/15 E/D/N/ms, v good extreme for very narrow, v dark neat lf. Short flag & erect, poor seed set		" 33	2859 32.0
5884 ✓ Pan	"	-L		✓
5885	"	-3		✓
5886	B583A1-64-3, 8/10		" 35	2879 28.0
5887 ✓ Pan	" 8/1			✓
5888	8/1/5 "			✓

B583A1-67-1,3-1 CP231 x Dima
2902 8/10 5889

" -2 5890

15 33.0

" -7 5891

B583A1-69-2, " 5892
29078/6

" 5893

" 5894

B583A1-15-2-3, " 5895
9288/8

10 (F) 29.5

8/8 " 5896

5897	8/8	B583A1-15-2-3, CP231		x Dima 2928
5898	8/6	B583A1-16-1-2,	"	2931
5899		"		✓
5900		Bluebonnet 50, check		
5901	8/15	B583A1-16-1-2,	"	2931
5902	8/8	B583A1-16-1-2BK-2,		2935
5903	8/10	"		✓
5904	8/10	"		✓

Pan

(Sy) 17 340

B584A1-5-3-1BK, (~~CP231/3 x BBt~~) BBt50 x Jojutla
2922 8/12
5905

"
8/10
5906
(MR) (+) ,5(I) 26.0

"
8/10
5907
Par

B584A1-13-2-2BK-7, S "
3017 8/4
5908

"
5909
Par
(S) (2) 22 26.0

"
5910

Mixed & uneven ht

B584A1-16-5-2, "
026 8/4
5911

"
8/4
5912
Par
Pr
13 27.5

[illegible]

5913 8/1 S B584A1-16-5-2, BB+50 × Jojutla 3026

5914 8/8 S B584A1-16-5-2BK-1 〃 3030
Par
(MS) 20 13I 220

Put all seed that was ripe on 9/3
& placed in envelopes, use for
seeding a small plot or
greenhouse for cross for
a purification & good type
10/VMS

5915 〃 -2 ✓
Par

18I

5916 〃 -3 ✓
Par

V prior stands

5917 8/1 B584A1-30-1-1, 〃 3058

5918 8/10 〃 ✓

5919 8/12 〃 ✓

5920 8/4 Bluebonnet 50, check

B584A1-30-1-2, BB450 x Jojutla					5921
8206 8/10					
8/9	S	"			5922
		151 (5)	21	27.0	Pa
8/8	S	"			5923
B584A2-24-3-1,			"		5924
8102 8/x					
8/x		"			5925
8/x		"			5926
B584A1-29-3,			"		5927
8220 8/19					
8/16		"			5928

5929	Bs84A1-29-3, 8/5 S	BB×50	× Jojutla	3201
5930	Bs82A1-30-1-4	BK, C (2) R	P231 ×	Jojutla 3305
5931	〃	(2) R	(23/ I	✓
5932 ✓ Pa	8/15 〃			✓
5933 ✓ Pa	Bs82A1-62-3-1-2-1. 8/3 S		〃 48 (H)	3346 32.0
5934 ✓ Pa Hr	8/2S 〃	-2		✓
5935 ✓ Pa	8/2S 〃	-3		✓
5936	Bs89A2-4-1-2, 7/29S 5/R	BB MR/R Ⓡ	50/2 23 I	× Gulfrose 3373

are leafy [illegible] types, good yield

B589A2-4-1-2, 3472 8/25	BB150/2 x Gulf rose	5937
B589A4-11-2-3, 3470 8/1	"	5938
"		5939
Century Patna 231, check 7/27		5940
B589A4-11-2-3, 3470 8/2	"	5941
B589A4-11-3-2, 3472 8/2 (R) (T) R	30 I/H "	5942
8/1	"	5943
8/1	"	5944

5945	B589A4-18-1-3, 8/10	BB150/2 x Golfrose (R) T11 R 19 I		3486
5946	8/10S "			✓
5947	8/10S "			✓
5948	B589A4-82-1-2, 7/29	S "		3502
5949	"			✓
5950	"			✓
5951	B589A4-82-3-1, S MR	(R) (T) R(3)	16 E "	3508
5952	"			✓

Ran

very short but good

rather short

B589A4-82-3-1, BB150/2 x Gulfrose
3508 7/29 5953

B589A9-2-1-1
3514 7/28 MR (2) R 25 I " 5954

" 5955

" MR & CO 5956 Pa

B589A4-23-1-1BK-1 1 " 5957
4102 7/23

Sq 1 (5) (I/H)

" -2 5958 Pa

" -3 5959

Bluebonnet 50, ck 5960

all A4-23 lines are early &
about B8t ht, v sturdy & good rows.

5961	B589A4-23-1-1, 7/26	BK-3,	-1	BBt 50/2 x bal fro	4174
5962	"		— ✓		✓
Pam	S* R	(Sg) (Sg) (1)	(59 F/H)		
5963	"	✓	3		✓
5964	B589A4-23-2-3-7-3, 7/24			"	4182
5965	"				✓
5966	"				✓
5967	B589A4-23-3-2BK, 7/24			"	4202
5968	"				✓

MR to CD

S* to CD

B589A4-23-3-2BK, BB(50/2 x Gulf Rose
4202 7/24 5969

B589A4-23-5-4BK-3, 7 " 5970
4218 8/3

" -2 5971
Pan

" -3 5972

B589A4-31-3-3BK, " 5973
4230 8/3

" 5974

" 5975

B589A4-70-1-2BK-1, " 5976
4232 7/24

5977	B589A4-70-1-2BK-1, 7/26		BBt50/2	x Golfrose	4233
5978	〃				✓
5979	B589A4-70-1-2BK-2, Tn		〃		4233
5980	Century Patna 331, ck 7/23				
5981	B589A4-70-1-2BK-2, Tn	12 (II)	〃		4233
5982	〃				✓
5983	B589A4-70-2-2BK-1, S R	MR @	R	E I	4235
5984	〃				✓

Par

Variety error as MR to CO

B589A4-70-2-2BK-1, BB454 x 64 Hrose
42357/26 5985

B589A4-70-2-2BK-3
4237 (MR) R & (F) " 5986

" 5987

" 5988

B589A4-70-2-2BK6 "
4241 S R (R) MR R 10 (E) 5989

" 5990

" 5991

B589A4-82-6-2-7-3, "
254 S MR (Q) S4 (1) R I 5992

5993	B589A4-82-6-2-7-3 7/25 Sht ht, early BBt v good, med-gr + voluntary ptam S + to CO	R	BBt50/2 x Go Hross	4254	
5994	7/2 ″			✓	
5995	B589A4-89-3-1-7-1 5/Sg Vol fruit on glume v good BBt types, v pl plant ht	MR (Sg) (1) R	″ I ″	4258	
5996	″			✓	
5997	″			✓	
5998 ✓ Pan Hr SNP	B589A4-89-5-1-7-1 v good BBt type similar ht & appear. 4 Sl hulls on glumes	MR (R) R	″ I	4274	
5999	″			✓	
6000	Bluebonnet 50, check				

Black R-1 R-6 | Hb HB | Sod-alk 62 63

B589A4-89-5-1-7-1, BB450/2 x 6a/frose
4274 R 6001

B589A4-89-5-1-7-3, "
4276 6002

" 6003

" 6004

B589A9-11-4-4 BK-1, "
4342 S R | R R | 28 TL 6005

" 6006

" 6007

B589A9-36-1-1-7-3, "
4426 (5) (MR) | (R) (1) 2 | 16-T 6008

		Blast R1 / R-6	Str Hd / HB	Sed-alk 62 / 63	
6009	B589A9-36-1-1-7-2, (S) (mR)	(R) (1) 2	BBY50/ 16-I	x Gulfros 4434
6010				✓
6011	B589A9-36-5-4BK-2, (R) (e) R (A graph = 1304-70)		19-I	" 4447
6012				✓
6013				✓
6014	B589A18-21-1-2-7-2, R			" 4450
6015				✓
6016				✓

	Blast R-1 / R-6	Str Hd H.B.	2nd-alk 62 / 63			
B589A 4453	18-21 VS / R	-1-4BK, (VS) R / (R) R	BB+50/2 x Gulfrose 16-I			6017
graph, Mexico = +20 + -50)						
✓ St. C ✓ like 6014 et al						6018
✓						6019 Pan Hr
R to C D	PI 215,936, check					6020 Hr
B589A 4584	4-23 (VS) / (R)	-4-3- (R) / (O)	7, 64-H			6021
excellent med. short ftr (BBd type) STCd v good green type						6022 Pa Hr
						6023
B589A 4604 R to C D short ftr, full med grain, V slender, v. strong BBd med	4-70-2-	4BK, (R) / (2) 2	12-I			6024

		Blast R-1 / R-6	Str Hd HB	2nd alk 62 / 63	
6025 ✓ Pan Hr	B589A4-70-2-4BK		(R) / (2) BBt ~~2~~	50/2 x Gulfrose 12-I	4604
6026 Hr	like 6024, v good, Valender stem,				✓
6027	B589A2-16-2-4;2-1		(S) / (1)	17-I	4631
6028	BBt mod S to Co		-2		✓
6029 ✓ Pan			-3		✓
6030 ✓ Pan Hr	B589A4-23-5-4-2-1		(MR) / (1)	36-H?	4819
6031	Tall rows, R to Co		-2		✓
6032			-3		✓

Blast R-1 R-6 | Str Hd HB | 2od-alk 62 63

DB

B589A 4-70-1-2-1. (VS) (MR) (MR) (0) R 12-I BBt 50/2 x Gulfrose
4822

6033

mR to C0; sl shorter bit than BBt med + gr sl full

6034

6035 Pan

B589A 4-70-1-2-4 (S*) (R) (MR) (2) R 11-I
4825

6036

(Very good texture & shape shorter & sl fuller grain than BBt 50)

R to C0, med short bt, straighter BBt not, med full, med long.

6037 Pan

SNP Hr

6038

B589A 4-70-2-2-1-1
4830

6039

Nato, ck

6040

all about BBd mat.

		Blast R11 / R-6	St Hd / HB	Ind-alk 62 / 63	
6041	B589A4-70-2-2-1,-2 B	(R*) / (R)	(MR) / (0)	BBt59 x (12-I) ½	Gulfrose 4830
6042 Pass Tr SNP			-3		✓
6043	B589A4-70-2-2-2,	(R*) / (R)	(MR) / (0)	(12) I	4831
6044 Pass					✓
6045					✓
6046	B589A4-70-2-2-3,-1	(R*) / (R)	(MR) / (0) R	11-I/L	4832
6047 Pass Tr SNP			-2		✓
6048 Tr			-3		✓

med. fuel mat. - long
green pass mat
short to R to C o.
stands

plant lit

Alymd lit, v. stands
all allele

all BBA md

	Blast R-1 / R-6	Str Hd / H.B.	2nd Alk 62 / 63		
B589A4-70- 4835		2-2-6- (MR) (2)	1 BBt50 ½ × Gulfrose 5-I		6049 Pan He
✓			-2		6050
✓			-7		6051
B589A4-89- 4843		3-1-4 (R) (3)	(26-I)		6052
✓					6053
✓					6054
B589A9-11- 1978		4-4-1,-1 (R) (3)	(29-I/L)		6055
✓			-2		6056 Pan He

Whe previous rows

Too many kinks

Very green 'god'

SNP

all BBt must acc's to cu

	Blast R-1 / R-6	Sh Ht / HB	2nd-alk 62 / 63	
6057	B589A9-11-4-4-1-3 BBt50 (R) (3)	29 Th	× Gulfrose	4978
6058	B589A9-11-4-4-8-1 (S) (R)	(R) (2) S	15-I	5002
6059		-2		✓
6060	Bluebonnet 50, check			
6061	B589A9-11-4-4-8-3 (S) (R)	(R) (2) S	15-I	5002
6062	B589A9-20-1-2-6-1 (S) (3)	seg	22-I	5009
6063		-2		✓
6064		-3		✓

Pan

SN17

Pan

RMCO

unless otherwise noted 600/2 up

	Blast R-1 / R-6	StrHd / HB	Ind. alk 62 / 63		
B589A 9-29-3-3-3,-1 BBt 50/2 x Gulfrose 5044	(S) / (R)	(2) R	25-I	SNP	6065 Hr
			-2		6066 Hr Pal
			-3		6067 Hr
B589A 9-29-4-2-2-1 5058	(S*) / (R)	(S) / (0)	28-I		6068
			-2		6069 Pal Hr
			-3		6070
B589A 9-36-4-1-5-1 5115		(1)	(18-I)		607
			-2		6072 Pal I Hr

✓ (Excellent grain texture, good BBt grain size & shape)

Excellent BBt appearance
Bulked seed for 196 tests

✓ R to CO, BBt het or
✓ of tailing

✓ Short lot, good type

	Bleet R-1 / R-6	Str Hd / HB	2nd-alk 62 / 63	
6073	B589A9-36-4	-1-5, (seg) (1)	BB×50/2 (18-I)	×Gulfrose 5115
6074	B589A9-36-4-	1-6-1 (seg) (1)	(18) I	5116
6075 √ Pam		-2		✓
6076		-3		✓
6077 Hr SNP	B589A4-18-1-1	-1 (R) (2)	15 / I	8373
6078 Pam Ho		-2		✓
6079 Hr		-3		✓
6080	PI 215,936, ck			

Rt. c v medshort ht, v good, short ht, like 6072 dial.
steady <u></u>ave 2 v best

	Blast R-1 / R-6	Str Hl HB	2nd-alk 62 / 63	
B589A4-82-1-2,-1 BB150/2 x Gulfrose 8377	® (2)	12 / I		6081
		-2		6082
		-3		6083
B589A4-89-1-2-1 8381	® (2)	15 / I		6084
				6085
				6086
B589A2-10-3-1-1 8916	Pb/Lte	19L/I		6087
		-2		6088

6089 ✓ Pam	B589A2-10-3-1,-3	BBt50/2 x Gulfrose		8916
6090	B589A2-14-3-2,		I	8917
6091				✓
6092				✓
6093	B589A2-25-4-1-1-1		20-I	8918
6094 ✓ Pa		-2		✓
6095 Ur SNP		-3		✓
6096 ✓ Pam	B589A2-25-4-1-3-1			8921

V bad for CO

V short ht, good rows

Short plant, ht, ng 6 2, V good
BBt grain size & shape

		Str Hd HB	2nd-calk 62 63	
B589A2-25-4-1,3,2 8921			BB150/2 x Gulfport	6097
Like 6094		-3		6098 Panc
B589A2-25-4-3 8922			4	6099 Panc
	Nato, check			6100

BBt mat unless note

		Str HB	2nd-clk 62 / 63	
6101	B589A2-25-	4-3	6	8922
6102				✓
6103	B589A2-36-2	-1		8925
6104				✓
6105				✓
6106 Hr	B589A3-1-1-	2;1	20 Ⓘ	8928
6107 Hr Pam SNP 2		-2		
6108 Hr		-3		

short bd, heavy early

R to C O, V good BBt type rows, are not BBt 50 type. R to C.O. bulk all shorts but the BBt 50, V good stem (Question yield?)

Is this a BBt 5-0 rather than a selection from B589A?

		St Hd / HB	2d alt 62 / 63	
B589A 3-35-5-1-2-1 8932		33 I/H	BB 50/2 × Gulfrose	6109
		-2	I	6110 Pa
		-3	II	6111 Pa SNP
B589A 3-86-7-1 8954		I/H	L	6112 Pa
				6113 Pa
				6114
B589A 4-18-3-3-1-1 8957		I		6115 Pa SNP
		-2		6116

		Str Hd / HB	2d-alk	
6117	B589A4-18-3-3,		(I)	8957
6118 L Pa Hr SNP	B589A9-28-1-3,-1-1 gd BB rows, less c.o.		19-I	8979
6119		-2		✓
6120 Hr	Bluebonnet 50, ck. Taller than adjacent rows			
6121	B589A9-28-1-3,-1-3			8979
6122 Y Pa Hr SNP	B589A18-15-2-4,-1-1 much like 6125 et al v good Short ht		44 (I)	9001
6123		-2		✓
6124		-3		✓

Str Hd
HB
Ld: Alk

B589A18-21-1-3-1,1 BB 50/50 x Gulfrose
17-D
9002 6125

-4 6126

-7 6127

B589A18-21-5-3,2-1,
9004 6128

-2 6129

-3 6130

B589A19-50-2-1,
0.1 D 6131

6132

BBt ht unless

		St Hd / HB	2d alk 62 / 63		
6133 ✓Hr	B589A19-50-2-1, BBt 50/2 x Gulfrose		I	9011	
6134	B589A9-36-2-4-1,		47-L	9029	
6135 ✓Pan *	Hy BBt now			✓	
6136				✓	
6137	B589A21-36		32-L	9032	
6138				✓	
6139	dec'			✓	
6140	PI 215,936. ck.				

st HB 2nd dk 12 63

B55136A4-5-6, 9033 48-L 6141

✓ need shot hit a fuel BBt on at check length.

6142 Pan

6143

B55136A4-5-6, 9034 42-L 6144

✓ V tail, Pt CO

6145

✓

6146

B589A3-10-3P, 1 BBt50/2 x Gulfrne 7603 42- H 6147 Pan

This row is shot by RtCO push earlier than these.

-L

✓ Pt CO) BBt good

6148 Pan

al BBt maturity in

6149	B589A3-10-3 P,-3 BBt 50/2 x Gulfrose		42	9603
6150	B589A3-69-8P Tad, BBt mat		30-I	9605
6151	(Short Ht) leader, St. & O			✓
6152	Tad BBt mat			✓
6153	B589A4-18-6 P-1		17-I	9607
6154		-2		✓
6155		-3		✓
6156	B589A9-11-10P Sep R & S to CO		60	9615

Tad, BBt, P to CO
good

2 pay
NW
SNP

2nd-clk
62
63

B589A9-11-10P, BB 50 ½ x gulfpine
9615
60
6157

6158

B589A9-16-2P-1
9617
22-I
6159

Nato, ck
6160

B589A9-16-2P-2
9617
22-I
6161

-3
6162

B589A9-16-4P-1
9619
20-I
6163

-2
6164

all BBt mat unless noted

			2d-alk 62/63	
6165 ✓ Pan	B589A9-16-4P. R to C D slender than BBt	-3 BBt 50/2 x Gulfrose	20-I	9619
6166	B589A9-16-6P R to C D, med + lit, v good rows	-1	I	9622
6167 ✓ Pan Hr		-2		✓
6168		-3		✓
6169	B589A9-16-8P [illegible] + poor gr shape dist R to C D		20-I	9624
6170				✓
6171				✓
6172	B589A9-24-5P,		84-H	9628

B589A9-24-5P, BB150/2 x Gulfrose
9628 84-H

B589A9-24-7P-1
9631 40

-2 H

-3

B589A9-28-3P-1
9636 17 (I)

-2

SNB

Bluehommet 52, ck

BBd mat hulless

			2nd-alk 62 / 63	
6181	BS89A9-28-3P-3		BBtSO4 17-I	x Gulfpro 963
6182	BS89A9-28-4P		50-H	9638
6183				✓
6184				✓
6185	BS89A9-28-6P		30-I	9641
6186				✓
6187				✓
6188	BS89A9-29-6P		47-I/H	9643

dup
dup

2nd-elk
62
63

B589A9-29-6P
9645
47-I/H
6189

6190

B589A9-36-4P
9650
18-I
6191

6192

6193

B589A9-36-8P
9652
21-I
6194

6195

6196

all BBt mat

			2nd-alk 62/63		
6197	B5-89A9-36-11P,	BBt 50/2 x Gulfrose	18-I	965	4
6198 Pa	Pt. C O med hr			✓	
6199				✓	
6200	PI 215,936, check				

20 d all
62
63

~~B5~~
B589A18-33-1 P, BB+50 1/2 x gulfrose
9661 15-W
6201

✓
6202 Pa

✓
6203

B589A18-33-2 P
9663 14-W
6204

✓
6205

✓
6206 Pa

B589A21-95-3 P -1
669 20-I
6207

-2
✓
MR ACO, possibly some
short hit
6208 Pa

whi 620 short hit, S & CO.
Earlier than BBX

		Blyst RI / R-6	Sta Hd / HB	2od-alk 62 / 63	
6209	B589A21-95-3P,	-3BB+		50/2 x 20-I	Gulfrose 966
6210	B589A31-13-5P			39-L	9673
6211					✓
6212					✓
6213	B579A2-45-40	-2-2, (S) (0)		BB+50 38-L	x Gulfrose 5502
6214 Pan					✓
6215					✓
6216	B579A2-13-1-2	-P-3, (R)		" 53	5512

S to C O.

R to C O, V wide lf med
short lat ,

Sh Hd / HB — Zodelle 62 / 63

B579A2-13-1-2P-3 — BBT50 x Gulfrose — 53 — (R)
5512 — 6217

6218

B596A3-3 — BBT50 x F1(BS89A4) — (R) (1) — 12-I
5518 — 6219 Pan

Bluebonnet 50, ck — 6220

B596A3-3 — BBT50/3 x Gulfrose — (R) (6) — 12-I
5518 — 6221

5518 — 6222 Pan

B596A3-4-1 — (R)-1 (1) R — 15-I
5523 — 6223 Pan

-2 — 6224 Pan

B1B1 mat

		Blast R-1 / R-L	Str Hd HB	2nd-alk 62 / 63	
6225 Pan Hv SNP	B596A3-4-1, -3 longest grain, Excellent PBT 50	(R) BBT (1) R	50 x F1 15-I		B589A 552
6226 Pan	B596A3-5 BK-1	(R) (1) 2	74H		5526
6227 Pan Hv SNP	-2				✓
6228	-3				✓
6229 Pan Hv	B596A3-5-1-1 (S) (S+R)	R R	(30)-I		5527
6230 Pan Hv SNP	-2				✓
6231 Pan Hv	-7				✓
6232	B596A3-6-2,	R (3)	" 68-H		5531

		Blast R1 / R6	st. Hd HB	2 of alb 62 / 63		
				2	(BBT-50/3 X Unifirm?)	
B596A3-6-2, BBt50 x F1 (B589A4) 5531			(R) / (3)	68-H		6233 Pa
Tall						6234
B596A3-18 5547			(R) / (3)	73-H	"	6235
Excellent line to keep as [illegible] BBt, a taller grained plant.						6236
						6237
B596A3-26-2, 559			(R) / S	15-I	"	6238 Pa
taller & stiff than BBt, & good pl type						6239 Pa
~~B.bt~~ 50, ck						6240

		Bleak A1 / R-6	Str Hd HB	2nd deck 62 / 63	
6241	B596A3-26-2	(R) / S	BB+50 x F. 15-I		(B589A4) 5559
6242	B596A4-12-2	(S*) / (S+R)	(R) / (2) 53	19-I	5601
6243					✓
6244					✓
6245	B596A4-12-2	(S*) / (S+R)	(R) / (2)	(25) I	5602
6246					✓
6247					✓
6248	B596A4-13-1	(S) / (R)	(R) / (3) 3	(21-I)	5603

	Blast R-1 / R-6	Sh Hd / HB	Jdack 62 / 63		
B596 A4-13-1, B875a x F1 (B589 A4)					
5603	(S) (R)	(R) (3)	(21-I)		6249 Pa
					6250
B596 A4-13-1					
5604	(S) (R)	(R) (1) 4	25-I		6251
					6252 Pa
					6253
B596 A4-13-3-1					
5605	(S) (R)	(R) (0)	18-I		6254 Pa Hr
		-2			6255 Pa Hr SNP
		-3			6256 Pa Hr

		Blast R-1 / R-6	Str Hd HB	Ind-ALK 62 / 63	
6257	B596A4-15-1 (VS) (S+R)		BBt50 x F1(B589A4) (MS?) (2) 3	23-I	5609
6258	Equilibrium BRT reno				
6259					
6260	Bluebonnet 50, ck				
6261	B596A4-22-1, -1 (VS) (S+R)		(R) (3) 2	(31) I/H	5619
6262	-2			23 I	
6263	-3				
6264	B596A4-22-2-1		(R) (3) seg	(31) I	5621

Blast / Shad / Id-Mk
R-1 R-6 / HB / 62 63

B596A4-22-2-2 — BB750 × F, (B589A4)
5621 — (R) (3) neg — (3) I — 6265 Pa

-3 — 26-2 I — 6266 Pa

B596A4-22-3-1
5622 — (R) (2) — 26-I — 6267

-2 — 6268 Pa

-3 — 6269 Pa

SNP

B596A4-22-1
5623 — (St) (St+R) — (MS) (1) — 79 — 6270

6271 Pa

6272

		Blast R-1 / R-6	Stn. Hd HB	2nd-alk 62 / 63	
6273	B596A4-31-1,	(R) / S	BB750 x F, (B589A4)	28-I	5629
6274					✓
6275					✓
6276	B596A4-32-2	(R) / S		21	5633
6277					✓
6278					✓
6279	B596A4-36-1	(R)		28-I	5638
6280	Bluebonnet 50, ck				✓

		Blast R-1 / R-6	Str Hd HB	2od-alk 62 / 63			
5638	B596A4-36-1,		BB (R)	50 / 28-I x	F, (B589A4)		6281
✓							6282
5651	B596A5-2-1,		(R) (S) / S	14-I			6283
✓							6284 Par
✓							6285
5652	B596 A5-2-2		(R) (S) / S	(14-I)			6286 Par
✓							6287
✓							6288

R to C.O.
med short ht

MR to C.O., med sh
ht, good

6289	B596A5-2-3	(R)/(S) S	14-I	5653
6290				✓
6291				✓
6292	B596A5-5-2	(R)/(S) S	14	5662
6293				✓
6294				✓
6295	B596A5-9	(S)/(S+R) (MS)/(S) S	14-I	5669
6296				✓

Blast R-1 / R-6	Std. HH / HB	2nd. ALK 62 / 63	
B596A5-9-1 (S) (S+R)	(MS) (1) S	BB750 x F1 (B589A4) (4I)	6297
B596A5-9-3, (S) (S+R)	(MS) (1)	14-I	6298
			6299
Bluebonnet 50, ck			6300

		Blast R-1 / R-6	StrHd / HB	Iod-Alk 62 / 63	
6301	B596A5-9-3, BB+50 x F1				(B589A4 5669
6302	B596A5-9-4-1	(S) / (StR)	(MS) / (seg) 3	14-I	5670
6303	-2				✓
6304	-7				✓
6305	B596A5-9-5	(S) / (StR)	(MS) / (seg) S	/	5671
6306					✓
6307					✓
6308	B596A5-9-6	(S) / (StR)	MS / (seg) S	15-I	5672

are full BBT gram possibly
sl shorter ht, V sturdy,
5% C O.

Blast R-1 / R-6 | Stl Ht / HB | 2nd-alk 62 / 63

B596A5-9-6 (MS?) / (Orig) BB×50 / S 15-J × F1 (B589A4)
5672
6309

✓
6310

B596A5-19-2 (R) / (S) 2 (14-I)
5681
6311

/
6312

/
6313

B596A5-20-1-1 (R) / – R (13) I
683
6314
P ✓
Thr

(Short ht. V good in 1962
sturdier straw than BB×50)

med short ht, P tr C O, looks v good
grain sl shorter than BB×50 adv

-2
6315
SNP
P ✓
Thr

-3
6316
P ✓
Thr

		Blast R-1 / R-6	Str HB HB	2nd-alk 62 / 63	
6317	B596A5-20-2		Ⓡ BB / S	+50 x I / I	B589A4 5684
6318					✓
6319					✓
6320	Bluebonnet 50, check				
6321 ✓ Pa	B596A5-22-2-1		Ⓡ / R	⑮ I	5703
6322 ✓ Pa	BBd ht, gr plabata but slender, short awns		-2		✓
6323 ✓ Pa			-3		✓
6324	B596A5-24-2		Ⓡ / S	⑯	5706

		4th Wd 2nd calk HB	62 63	
B596A5-24-2 5706		R S	16 I	BBt 50 x F (B589A4) 6325
✓				6326
B596A5-26-2 5709		R S	21	6327
✓				6328
✓				6329
B596A5-26-3 5710		R S	21	6330
✓				6331
✓				6332

		cd pdg	HB(1963) col.	Bot R.	
			(s/Total	Long cog/Trans cog	
6333	B596A5-27-		1, B S	Bt50 x	F1/B589A 5711
6334					✓
6335					✓
6336	B6113A, BBT-50/4 X Gulfport A2-5-1	col. Rdg	s, s Total Plants in col 4(5/28) 18% 4(6/24) 25%	Seg/Seg	20019-S (Col-3861)
6337	-2				✓
6338	-3				✓
6339	-4				✓
6340	B bt 50, ck				

HB, 1963

Col.	Bot. R
(~~[illegible]~~/total plants)	large cage/trans cage

B6113A2-5-5
20019-5
(Col-3861)

BBT-50 X B596A4
4(5/28) 18% Seg/Seg
4(6/24) 25%

6341

-6
✓

6342

B6113A2-6-1
20019-6

BBT-50/4 X Gulfrose

6343

B6113A2-8-1
20019-8

BBT-50/4 X Gulfrose

6344
→ Pan

R. La. 1963-64
15 #

Bulk SNP

-2
✓

NU

6345
→ Pan

NU

-3
✓

6346
→ Pan

B6113A2-9-1
20019-9

BBT-50/4 X Gulfrose

6347

-2
✓

6348

HB(1963)

		col	Bal. R long trans. cap	
6349	BG113A2-11-1	2(10/31) 32% Seq 0 4(3/30) 30%	R/ —	20019-11 (col-3866)
6350	-2			✓
6351	-3			✓
6352	-4			✓
6353	-5			✓
6354	-6			✓
6355	BG113A2-14-1	3(7/30) 23% Seq 0 2(5/12) 23%	R/	20019-14 (col. 387)
6356	-2			✓

HB, (1963)

		coal	Bat R		
			Longa cage	trans. cage	
B6113A	2-14-3	3(7/30) 23%	Lig n R		
20019-14		2(5/22) 23%			6357
(Co/3871)					
	-4				
✓					6358
	-5				
✓					6359
Bbl 50, ck					6360
	-6				
20019-14					6361
(Co/3871)					
B6113A2-16-1		~~1(1)~~	seg/deg		
20020-1		1(5/27) 19%			6362
(Co/3877)		1(1/23) 30%			
	-2				
✓					6363
	-3				
✓					6364

		HB(1963		
		Col	Bzt R Large cage/Trans cage	
6365	B6113A2-16-4	1(5/27) 19% 1(6/23) 30%	Seg/Seg	20020-1 (Col, 3877)
6366	-5			✓
6367	-6			✓
6368	B6113A2-19-1	1(6/26) 23% 3(8/22) 36%	seg/seg	20020-4 (Col 3878)
6369	-2			✓
6370	-3			✓
6371	-4			✓
6372	-5			✓

	HB 1963 col	Bat R. large cage / trans. cage	
B6113A2-19-6 200220-4 (Col. 3878)	1(6/26) 23% 3(9/22) 36%	seg/seg	6373
B6113A2-20-1 200220-5 (Col 3881)	3(6/23) 26% 3(8/26) 31%	seg/seg	6374
-2			6375
-3			6376
-4			6377
-5			6378
-6			6379
Bluebonnet 50, ck			6380

		H.B. 1903			
		Col.	Bat. R.		
			Large Cage	Small Cage	
6381	B6113A2-21-1	2(6/22) 27% 4(7/18) 39%			20020-6 (Col 3883)
6382	-2				↵
6383	-3				↵
6384	-4				↵
6385	-5				↵
6386	-6				↵
6387	B6113A2-22-1	1(6/20) 30% 2(5/23) 22%			20020-7 (Col. 3886)
6388	-2				↵

		Col	Bat. P.	
			large cage / trans cage	
B6113A2-22-3	1 (6/20) 30%			6389
20020-7	2 (5/23) 22%			
(Col. 3886)				
-4				6390
-5				6391
-6				6392
B6113A2-24-1	2 (6/20) 30%			6393
20020-9	3 (3/24) 10%			
(Col. 3888)				
-2				6394
-3				6395
-4				6396

		HB, 1963	
		~~Late~~ ool.	Bat. R hamp cagg/trans. cage
6397	BG113A2-24-5	2(6/20) 30% In(3/29) 10%	20020-9 (col 3888)
6398	-6		✓
6399 → Pan	BG113A2-25-1 good row in col.	0(1/30) 3% 0(0/18) 0%	20020-10 col-3891 17 I
6400 → ~~Pan~~ Nu	Bluebonnet SD, ck.		22 I

5801 – 50
5901 – 50
6001 – 50
} badly burned for
dry soil about 6/6/

5530½
5480½
5510½

5446-48 CI. C646

5458-60 CI 8556

5496-98 PI 224838

5914, 15 & 16

Hr immediately

CR FORM
APR. 1962 6

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Crops Research Division

FIELD NOTEBOOK
AGRONOMIC NOTES

If found, please tie securely and return to

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SCALE FOR ESTIMATING RUST

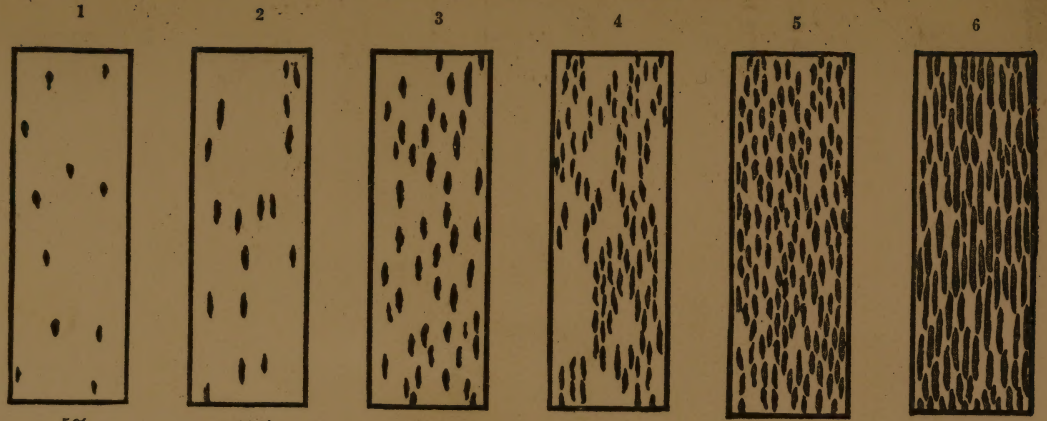


Diagram showing six degrees of rustiness, which may be used in estimating the percentage of rust infection on leaf or stem. The shaded spots represent rust, and the figures represent approximately the rust percentages computed on the basis of the maximum amount of surface covered by rust as shown in the 100% figure. This figure (No. 6 in the diagram) represents 37% of actual surface and is arbitrarily selected as 100%. Other percentages are in terms of No. 6.

This scale is easy of application. A number of leaves are gathered from the row or plot at random, and a number of plants carefully examined for stem rust; these are compared with the diagrams and the proper figures recorded in the notebook.

The plus or minus sign may be used to indicate a slightly greater or less amount of rust than the nearest figure.

While these figures may not express accurately the actual surface of host tissue rusted, they do provide a usable systematic method for recording rust infection, and will more intelligibly represent the facts than will figures showing resistance percentages or infection percentages on the 50% (maximum) basis.

		AB, 1963 Col	AB, 1963 Bay. R Large cage/Mass cage	
			(BBT-50 X B596A4)	
6401 Par	B6113A2-25-2	0(1/30) 3% 0(0/18) 0%	BBT-50/4 X Gulfro 20020-10 (Col-3891) 15 I	Very good Row in Colombia in 1963
6402 P	-3		(R) La. 1963-64 18 I	✓
6403 P	-4			✓
6404 P	-5			✓
6405 P	-6			✓
6406	B6113A2-26-1	2(7/24) 29% 3(6/27) 22%	20020-11 (Col-3893)	
6407	-2			✓
6408	-3			✓

all BBt backcross seeds are 1st bd about 8/2/63, No segregation for maturity

			HB, 1963 col.	Bat./R. hamp cage/trans. cage	
B6113A 20020 (col-3893)	2-26-4 -11		2(7/24) 29% 3(6/27) 22%		BBt-50/4 X Rutgers 6409
✓	-5				6410
✓	-6				6411
B6113A 20020 (col 3898)	2-30-1 -15		2(3/24) 13% 2(4/33) 12%		6412
✓	-2				6413
✓	-3				6414
✓	-4				6415
✓	-5				6416

HB, 1963

		col	Bot. R. hangs cage / trans. cage	
6417	BG113A2-30-6	2(3/24) 13% 2(4/33) 12%		20020-1 (ol 3898)
6418	BG113A2-31-1	2(4/26) 14% 2(5/30) 11%		20021-1
6419	-2			✓
6420	B at 50, ck.			
6421	BG113A2-31-3	2(4/26) 12% 3(5/30) 11%		20021-1
6422	BG113A2-32-1	3(4/26) 14%		20021-2 (ol 3901)
6423	-2			✓
6424	-2			✓

	Col.	Bat. R (Comp cage / Trans cage)	2
BG113A2-32-4 (20021-2 Col-3907)	2(5/16) 4% 3(5/30) 17%	Ro deg/deg.	6425
-5			6426
-6			6427
BG113A2-35-1 (20021-5 Col-3908)	2(2/27) 7% 2(4/21) 19%	deg/deg	6428
-2			6429
-3			6430
-4			6431
-5			6432

		HB, 1963		
		Col	Bay. R	
			large trans cage	
6433	BG113A2-35-6	2(2/27) 7% 2(4/21) 19%	neg/neg	20021-5 (Col-3908)
6434	BG113A2-36-1	5(1/29) 55% 5(3/20) 65%	neg/S	20021-6 (Col.3911)
6435	-2			✓
6436	-3			✓
6437	BG113A2-39-1	1(3/26) 12% 3(3/21) 38%	R/-	20021-9 (Col.3916)
6438	-2			✓
6439	-3			✓
6440	B be 50, ck			

H.B., 1963

Col	Bot. R	
	Water cage	Trans case

BG113A2-39-4	1(3/26) 10%	R/	-	6441
20021-9	2(3/21) 38%			
(Col-3916)				
-5				6442
✓				
-6				6443
✓				
BG113A2-~~49~~ 39-1	4(8/19) 42%	S/		6444
20021-10	3(7/23) 30%			
(Col-3918)				
-2				6445
✓				
-3				6446
✓				
-4				6447
✓				
-5				6448
✓				

		A B, 1963 Col.	Bat. R range cage / trans. cage	
6449	B6113A2-~~39~~ 40-6	4(8/19) 42% 3(7/23) 30%	S	20021-10 (Col-3918)
6450	B6113A2-4~~4~~-1	3(3/22) 14% 1(1/20) 5%	Segon R	20021-14 (Col-3921)
6451	-2			✓
6452	-3			✓
6453	-4			✓
6454 → Pan	B6113A2-46-1	1(3/23) 13% 2(2/18) 11% 56% La. 1963-64 (S)	R 15	20022-1 (Col-3923) I
6455 → Pan	-2			✓
6456 → Pan	-3			✓

Bulked

Pan

	Col	Bat. R (Large cage / Trans cage)	
BG113A2-45-4	1(3/23) 13% R		6457
20022-1	2(2/18) 11%		
(Col-3923)			Pan
	-5		6458
✓			Pan
	-6		6459
✓			Pan
Bluebonnet 50, ck			6460
BG113A2-53-1	3(8/22) 36% dep		6461
20022-8	4(6/32) 19%		
(Col-3936)			
	-2		6462
✓			
	-3		6463
✓			
	-4		6464
✓			

Bulked

HB, 1463

		Coh.	Bot. R	
			Large Coq. / Trans. Coq.	
6465	BG113A2-52-5	3 (8/32) 36% 4 (6/32) 19%	Seq	20022-2 (Col-3936)
6466	-6			✓
6467	BG113A2-47-1	4 (7/28) 25% 4 (4/16) 50%	Seq R	20022-2 Col.-3826
6468	-2			✓
6469	-3			✓
6470	-4			✓
6471	-5			✓
6472	-6			✓

			HB, 1963			
			Col.	Bat. R		
				Large cage	Trans. cage	
B6113A2-51 20022-6 (Col-3933)		-1	3(5/25) 20% 3(6/28) 21%	Deg		6473
✓		-2				6474
✓		-3				6475
✓		-4				6476
✓		-5				6477
✓		-6				6478
B6113A2-61 20023-1 (Col-3948)		-1	2(4/30) 13% 2(4/35) 11%			6479
Bluebonnet 50, ck.						6480

			HB, 1963	
			Col	Bay. R hangar cage / trans cage
64E	6481	BG113A2-61-2	2(4/30) 13% 2(4/35) 11%	20023-1 (Col. 3948)
64E	6482	-3		✓
64E	6483	-4		✓
64E	6484	-5		✓
64E	6485	-6		✓
64	6486 Pan	BG113A2-65-1	2(5/29) 17% 3(5/26) 19% 30% La. 1963-64 (5 yr.)	R 20023-5 (Col 3953) 15 I
6E	6487 Pan	-2		✓
6E	6488 P	-3		✓

Col	Bal. R (Large Cage / Trays Cage)

B6113A2-65-4 2(5/29) 17% R
20023-5- 3(5/26) 19%
(Col-3953)

6489

-5

6490

-6

6491

B6113A2-70-1 Th(3/28) 7% R
20023-10 0(2/27) 0%
Col-3956 (Very good Row in Colombia)

6492

(R) La. 1963-64

-7

16 I

6493

-8

6494

-4

6495

B6113A2-72-1 1(3/24) 13% R
20023-12 1(2/27) 7%
(Col-3961)

6496

(R) La. 1963-64

16 I

N.B. 1963

		col.	Bat. R	
			large cap / trans cap	
6497	B6113A2-72-2	1(3/24) 13%	R	20023-12 (Col-3461)
	Bulked SND	1(3/27) 7%		
6498	-3			✓
6499	-4			✓
6500	Blt 50, ck.			
		S		

B6113A2-72-5
20023-12
(Col-3961)

1(3/24) 13% R
1(3/27) 7%

6501

-6

6502

B6113A2-73-1
20023-13
(Col 3963)

1(2/23) 9% R
1(3/25) 8%

(R) La. 1963-64
15 I

6503

-2

6504

-3

6505

-4

6506

-5

6507

-6

6508

H.B. 1963

	Col.	Bal. R Langa Cage	Bal. R TRANS cage
6509	B6113A2-~~28~~-1	15% La. 1963-64 (Seg.) 13 I	20024-2
6510	-2		✓
6511	-3		✓
6512	-4		✓
6513	B6113A2-~~2~~-1 o(2/18) 11% In(2/25) 8% (o) R La. 1963-64 13 I		20024-6 (Col-3976)
6514	-2		✓
6515	-3		✓
6516	-4		✓

Rec. SNP

Rec. SNP

B6113A2-81-5 o(2/18) 11%
20024-6 Tn(2/25) 8%
(Col. 3976)

6517 → Ø

-6

6518 → Ø

B6113A2-82-1 1(2/28) 7%
20024-7 1(2/25) 8%
(Col. 3978)

(O) R Ln. 1963-64
15 D

6519 → Ø

Bluebonnet SD, ck

6520 → Ø

B6113A2-82-2 1(2/28) 7%
20024-7 1(2/25) 8%
(Col. 3978)

(O) R Ln. 1963-64

6521 → Ø

-3

6522 → Ø

-4

6523 → Ø

-5

6524 → Ø

		HB, 1963	
		Col	Bat. R Inc/Inc.
6525	B6113A2-82-6	1(2/28) 7% 1(2/25) 8%	20024-7 (Cl 3978)
6526	B6113A2-84-1	5(6/20) 30% 4(7/26) 27%	20024-9 (Cl-3983)
6527	-2		✓
6528	-3		✓
6529	-4		✓
6530	-5		✓
6531	-6		✓
6532	B6113A2-85-1		20024-10 (Cl-3986)

HB, 1963

			Col	Bat. R Large cage	Trans cage	
20024-10 (Col-3986)	B6113A2-85-2		3(6/25)24% 2(3/24) 13%			6533
✓		-3				6534
✓		-4				6535
✓		-5				6536
✓		-6				6537
20024-12 (Col-3991)	B6113A2-87-1		3(6/27)22% 3(8/24)33%			6538
✓		-2				6539
	B bulbonnet 5D, ck					6540

HE

HB 1463

		col	Bot. R	
			Tango cage	Trans cage
6541	BG113A2-87-3	3(4/27) 22% 3(8/24) 33%		20024-12 (Gl-3991)
6542	-4			✓
6543	-5			✓
6544	-6			✓
6545	BG113A2-88-1	Tr(3/29) 10% a(1/26) 4%		20024-13 (Gl-3993)
		R La. 1963-64		
6546	-2			✓
6547	-3			✓
6548	-4			✓

HB TEST GREENHOUSE FALL '63
G545-50

B6113A2-88 -5
20024-13
Col-3993)

T(3/29) 10%
O(1/26) 4%

6549

-6

6550

B6113A2-90-1
20024-15
(Col-3996)

O(1/28) 4%
I(3/21) 14%

R La. 1963-64
15 I

6551

-2

6552

-3

6553

-4

6554

-5

6555

-6

6556

H.B. Test Greenhouse Fall '63
6551-55 9/6

E
SUP

		HB, 1963			
		Col % (S/Tot) %	Bat R. Seng Cory / Trans.		
6557	B6113A2-1-1	5(11/25) 44% 6(11/22) 50%	S/S	20019-1 (Col-3851)	
6558	A2-2-1	3(7/30) 23% 3(7/27) 26%	Seg/S	✓ (Col-3853)	
6559 Nu	A2-3-1	2(5/23) 22% 2(5/31) 16%	Seg/Seg 16 F	✓-3 (Col-3856)	
6560 Nu	B bt SD. ck				
6561	B6113A2-4-1	4(7/26) 27% 4(9/27) 33%		20019-4 (Col 3858)	
6562	A2-7-1	3(6/27) 22% 3(6/26) 23%	Seg R/S	-7 (Col-3863)	
6563	A2-10-1			-10	
6564 → Pan	A2-12-1	17% La. 1963-64 (Seg.)(or S)	16 I	-12	

HB, 1963

	Col	Bot. R Lamc cage / Trans. cage	
BG113A2-13-1	1(2/22) 7%		6565
20019-13	2(2/30) 7%		
(Col. 3868)			→ Barn
	8% La. 1963-64		Hu
	(R ~~Sq~~)	15 I	SNP
-15 A2-15-1	2(4/26) 15%	Deg /	6566
(Col 3873)	3(7/35) 20%		
BG113A2-28-1			6567
20020-14			
BG113A2-32-1	2(3/24) 13%	Deg / Deg	6568
20021-3	4(7/32) 22%		
(Col-3903)			
A2-33-1	0(0/24) 0%	R / R	6569
-4	In(1/20) 5%		
(Col-3906) (Very good Row in Col.)			→ G
GREENHOUSE HB. Fall 63 9/19			
R La. 1963-64		13 I	
-7 BG113A2-36-1	2(3/21) 14%	R / R ov Deg	6570
(Col-3913)	3(5/23) 22%		
A2-37-1			6571
-8			
A2-40-1			6572
-N			→ Barn
	40% La. 1963-64 (S)	14 I	SNP Hu

H.B. 1963

		Col	Bot. R (Range cage / Knapsack cage)
6573	B6113A2-41-1		20021-12
6574	A2-42-1		-13
6575	A2-44-1		-15
	Pan No SNP		C/R La. 1963-64 15 I
6576	B6113A2-47-1		20022-3
6577	A2-49-1	1(2/25) 8% R 1(2/25) 8%	-4 (Col-3928)
	C SNP Ha GREENHOUSE H.B. TEST FALL '63 0/20	R La. 1963-64	15 I
6578	A2-50-1	2(3/24) 8% 2(3/26) 12%	-5 Col(3931)
	C No SNP H.B. FALL '63 0/15	R La. 1963-64	16 I
6579	A2-52-1		-7
6580	But 50, ck		

BG113A2-5~~4~~-1 3(4/23) 17% seg
20022-9 4(9/27) 33%
(Col-3938) 6581

-2
✓ 6582

-3
✓ 6583

-4
✓ 6584

-5
✓ 6585

-6
✓ 6586

BG1X3A2-5~~5~~-1
20022-10 6587

A2-56-1 4(7/25) 28% seg
-11 3(8/35) 23%
(Col. 3941) 6588

		HB. 1963		
		col.	Bot. R	
			Range Cage	Trans Cage
6589	BG113A2-58-1			20022-13
6590	A2-59-1			-14
6591	A2-62-1			20023-2
6592	A2-63-1	5(12/25) 48% 5 5(11/24) 46%		-3 (Col-3951)
6593	A2-64-1			-4
6594	BG113A2-~~58~~ 59-1	3(5/23) 22% 4 4(4/23) 26%		20022-12 (Col-3943)
6595	-2			✓
6596	-3			✓

	col	Bal. R large trans. cage	
20022-12 (Col-3943)			6597
"			6598
"			6599
Bluebonnet	50, ck		6600

HB, 1963

		col	Bat. R charge case	Bat. R trans case
6601	B6113A2-60-1	2(3/32) 6% 2(4/25) 16%	dep	20022-15 (col-3946)
6602	-2			✓
6603	-3			✓
6604	-4			✓
6605	-5			✓
6606	-6			✓
6607	B6113A2-66-1			20023-6
	Q Hv SNP		18% La. 1963-64 (Sq.) 14 I	
6608	A2-67-1			-7

B6113A2-68-1
20023-8
6609

A2-69-1
-9
6610

A2-71-1 4(9/25) 36% Seg
-11 2(9/26) 23%
Col-6611)
6611

A2-74-1
-14
6612

A2-75-1 Th(1/24) 4% R
-15 (2/27) 4%
Col-3966)
6613

FALL '63 A.B. GREENHOUSE 0/16
R La. 1963-64
14 I
SNP

B6113A2-[redacted]-1
-76-
20024-[redacted]
(Col-3968)
4(7/25) 28%
4(9/26) 38%
6614

A2-78-1 Th(1/21) 5%
-3 0(9/28) 0%
(Col-3971)
6615

(0) R La. 1963-64
15 I
SNP

A2-79-1
-4
6616

		H.B., 1963		
		Col.	Bat. R. Large cage / Trans cage	
6617	8/ B6113A2-80-1	3(5/29) 17% 3(10/26) 38%		20024-5 (Col-6617)
6618	A2-~~84~~ 83-1	5(9/26) 35% 4(9/24) 38%		-8 (Col-3981)
6619	A2-86-1			-11
6620	Blt 50. ck			
6621	B6113A2-89-1			20024-14
6622	B572A3-38-2-1-L 8/	(R) (R) R	(54-L)	CI215,906 x CI9214 5971
6623 SNP				✓
6624				✓

Cross with CI 9545 short grain, v clear texture

V short ht., looks v good, plant type (= 9545) S+L H.D., Excellent Gr type. Pr apex

all A3-38 rows through 6633 look alike
✓ could be bulked in so far as plant type is concerned
are St H0 erect flag, dark green leaf color

		Plant R1 / R6	St H1 HB	2nd alk 62 / 63		
	B572 A3-38-2-1-2 · PI 215,936 x CI 9214 5972 8/8		Ⓡ (R) R	53-L (pink		6625
✓						6626 Pa
✓						6627
	B572 A3-38-2-2-2 · (pink) 5975 8/8	Ⓡ (R)	Ⓡ (1) R	58-L	" SNP	6628 Pa
✓				-2		6629
✓				-3		6630
	B572 A3-38-2-2-3-1 5976 8/8	(R) (R)	Ⓡ (R)	45-h	"	6631 Pa
✓				-2		6632 ✓ Pa

Ideal trait type grain in 1962) highly translucent & no chalk, advanced in 1963

all alike pi apex

		Plant R-1 / P-6	Stalk / HB	2nd-alk 62 / 63	
6633	B572A3-38-2-2-3, PI-215936 x CI9214	(R) (R)	(R) (2)	45-h	5976
6634	B572A3-38-2-3-1	(R) (R)	(R) (1) R	58-h (Purple)	5977
6635					✓
6636					✓
6637	B572A3-38-2-3-2-	(R) (R)	(R) (2)	51-h	5978
6638					✓
6639					✓
6640	Nato, ck.				

Watch grain texture ? A3-38 carefully, was
V clear + translucent in 1962

	Blast R-1 / R-6	strHH / HB	2nd-alk 62 / 63		
5979	B572A	3-38-	2-3-3,	PI 215936X CI 2214	6641
					6642
				SNP	6643
5981	B572 A3-38-	7-1-1-	1 20-I		6644
				SNP	6645
					6646
5984	B572 A3-38-	7-2 BK-	1 15-I		6647
					6648
				SNP	

		Blast R-1 / R-6	Sh Hd HB	2d alk 62 / 63	Plant LV / 63	
6649	B572A3-38-7-2, BK-1 (R)/(R) (R)/(3) PI 215936 vCI 9214 (15-I)					5984
6650	B572A3-38-7-3-2, (R)/(R) (R)/(R) R (20-L)					6001
6651						✓
6652						✓
6653	B572A3-38-7-3, BK-1 (R)/(R) (R)/(2) (14-I) "					6004
6654				-2		✓
6655				-3		✓
6656	B572A3-38-7-4 BK-1 (R)/(R) (R)/(6) req (15-I) "					6005

	Blast R-1 / R-6	Str Hd / HB	2od.alt 62 / 63			
B572A3-38- 6005 8/28	7-4BK, (R) / (R)	(R) / (0) aug	PI215936xCI9214 15-I			6657
						6658
B5727A4-10- 6169 7/28	1-3-2, (R)	-1 8-L	PI215936, x CI 9402			6659 Av
7/30	Blt 50	, ck				6660 Hv
B573A4-10- 6169 7/28	1-3-2 (R)	-2 6-L		"		6661 SNP Hv
✓			-3			6662 Hv
B573A4-10- 6170 7/28	1-3-3 (R) 5	-1 9-L		"		6663 Hv
✓			-2			6664 Hv

are the tallest

all 6 rows look like BBt 50

both look like BBt → check color, good

Saved acct color reaction

		Blast R1 / R-6	Str Hd HB	Iod-alk b2 / b3	
6665	B573A4-10-1-3-3 7/25		PI 2 Ⓡ / S	15,936x 9-L	CI 9402 6170
6666	B573A4-10-2-1-1 8/1	Ⓡ / (R)	'' Ⓡ / (R) S	20-L	6174
6667 ✓Pan			-2		✓
6668			-3		✓
6669	B573A4-10-3-1-3-1 8/1	(R) / (R)	Ⓡ / (1)	28-L	6176
6670 ✓Pan	8/1		-2		✓
6671	8/1		-3		✓
6672	B573A4-10-5-2-2, 8/13		Ⓡ / R	'' 19-L	6182

med short ht, med leafy
R to C O. V broad gran

like 6667 but less leafy
leaves are narrower & darker
green.

very large culms, V sturdy, semi-erect pan
med ht, feed med-gran, large wh. centers

	Bleed R-1 / R-6	str. Hd HB	2nd-alk 62 / 63	
B573A 4-10-5-2-2, PI 215,936 X CI 9402				
6/82 8/13		(R) / R	19-h	6673
✓ 8/13				6674
B573A 4-10-5-2-3-1		(R)	(10-h)	
6/83 8/13				6675
✓ 8/13			-2	6676
✓ 8/14			-3	6677
6/21 B573A 5-11-4-1-1 8/1	(R) (E+R)	(R)	23-h	6678
✓			-2	6679
				6680

Nato, ck

Page 21 16

		Blept R-1 / R-6	Stubb HB	Del. alk 62 / 63	
6681	B573A5-11-4-1 (R) (SVR)	PI 215936 (R)	x CI 9402 (18-HR)	6211	
6682	B573A5-11-4-3	-2-1 (R)	23-W	6213	
6683		-2		✓	
6684		-3		✓	
6685	P158-1T-1T-1R	Rex x Gulf rose 11-I		9752	
6686		-2		✓	
6687		-3		✓	
6688	P158-1T-1T-3R	-1	12-I	9754	

Blast R-1 / R-6 | St Hd / HB | 2nd-alk 62 / 63

P158-1T-1T-3P, Rex x Gulfrose
9754
12-L
8/10
like 6685 stal
6689
Pan

✓ 8/10
6690

P158-1T-1T-15P -1 "
9258
9-L
7/20
6691
Pan

-2
✓ 8/10
6692
Pan

-3
✓ 8/10
like Premier and
V good
6693
Pan

P158-1T-1T-17P, -1 "
9761
45/I/H
7/20
6694

-2
✓ 7/20 Early and
77 H
6695
Pan

-3
✓ 8/11
like 6685 stal
6696
Pan

od-alk
62/63

6697	P158-1T-1T-17P, 7/20	Rex x Gulfrose 67-H		9762
6698	7/20		✓	
6699	7/20		✓	
6700	Bluebonnet 50, ck. 8/1			

Pa
Pa
Pa

check qual + appearance of dwarfs

	stiff HB	sod-alk 62 63		
B563A1-5-1-1, B55-8512 x BB+50 9944	®			6701
✓				6702
✓				6703
B563A1-5-1-2, 9945	®	25 I		6704
✓				6705
✓				6706
B563A1-5-1-3, 9946	®	44		6707
✓				6708

		str Hd / HB	2d alk / 62 / 63	
6709	B563A1-5-1-3,	B55-85 (R)	5/12 X 44	BDT-50 9946
6710	B563A1-5-1-4,	(R)	78 H	9947
6711				✓
6712				✓
6713	B563A1-5-1-5,	(R)		9948
6714			55 H	✓
6715				✓
6716	B563A1-5-3-3,			9952

B563A1-5-3-3, B55-8512 x BB+50 9952		6717
	21 #	
✓		6718
B563A1-5-3-4, 9953	"	6719
	Nate, ck	6720
B563A1-5-3-4, 9953		6721
	18 I	
✓		6722
B563A1-5-3-6, 9955		6723
✓		6724

all dwarf, except 6732

		str HO	2nd alk 62 / 63	
6725	B563A1-5-3-6 - B55-8512x BBt50	Ⓡ -		9955
6726	B563A1-7-3-5	Ⓡ	86	9960
6727 Hm				✓
6728				✓
6729 ✓Pm	X-157-3-4 2nd BBt50 (Dw)	Ⓡ	23	7923
6730 ✓Pm				✓
6731 ✓Pm				✓
6732 ✓Pm Hm SMP	X-157-3-4	(R)	" "	7919

are dwarfest typical

Dwarf rows

Tall

all Falls

str Ad - 2nd alk
62 63

X-157-3-4 2road BB 50 (Dm).
7919 ® 11 6733

6734

X-157-3-4
7922 ® 15 " 6735

6736

6737

X-157-3-4
7927 ® 15 6738

6739

Blt 50, ck - 6740

		str. H	2nd. alt 62 / 63	
6741	X-157-3-4	(R) 2 rad. BB	15 5	o (Dw) 7927
6742	B5814A2-15-3-1,	(MR) (1) PI 215.936	26? 6	x BB 50 7119
6743				✓
6744				✓
6745	B5814A2-15-3-3	(MR) (1)	30?	7122
6746				✓
6747				✓
6748	B571A1-42-3-1-	(R) PI 215.936 x (CP 231/3 x BB)	27	5843

a dwarf in 1962

x(CP-231 x CI 9(22))

B571(A)-42-3-1, $\overset{2}{P}$ I 215,936 ~~x(CP x 3)1/3 x BBE)~~

5843

6749

Kuant type
in ✓ 46 ...
) typical
of BBx50
oval dumpy
all dumpy

Ⓡ — ? 15 — -3

✓ Pa

6750

B571 A1-43-2-1-1

5845 (…) (S) — S — 24-I

6751

like 6755, ✓ good

6752

✓ Pa
Hr

6753

B571 A1-43-2-3

5849 Ⓡ — S

6754

med lit, flag, slender up
long, ✓ [illegible]) BBt mat

6755

✓ Pa
Hr

6756

6757	B57/A1-2-3-1.P, PI 215,936 × (CP231 × 912 med gr rough gold early much like 6762 et al		(L)/1	8846
6758	"			✓
6759	"			✓
6760	Guelfrose, ck			
6761	B57/A1+2-3-1P		13-L	8847
6762 ✓Pan	"			✓
6763	like 6765			✓
6764	B57/A1-4-3-1P		25-L	8849

B571A1-4-3-1P, 8849 — 25-L — 6765

6766

B57A2-21-26P-1 8852 — 6767

10 I

-2 — 6768

-3 — 6769

B5813A8-6-2-2.1 7030 — PI215936 x Sacramento — 6770

(MS) 32-L

-2 — 6771

SNP

-3 — 6772

6773 BS813A11-40-2-1, PI215936 × Sacramento 7043

(-)(R) (MR) (28)h

6774 Pa

6775

6776 BS813A11-71-3-1-1 7053

Pa

(seq)(seq) (S) 21-h

6777 Pa Wr SNP

6778 Pa

6779 BS813A12-7-3-3 7107

(Seq)(R) (R) 53-h

6780 Nato, ck.

B5813A12-7-3-3, PI 215936 x Lacrosse
7109

6781

6782

(Rey) (R) (R) 53-L
B 5111 A1 CP231 x Zayou Bayan
7956

6783

(S) 24-(I/L)

6784

SVP

6785

B548 A32-9-1-3, TB x F1 (CP231 x TB)
8002

6786

(S) (9)-I

6787

6788

6789	BBT 50 sel, vlong-gr			8067
Pan		(R)	25-I	
6790				✓
6791				✓
Pan				
SNP				
6792	"			8072
Pan	"			
SNP		(R)	18-I	
6793				✓
Pan				
6794				✓
6795	"			8076
Pan				
SNP		(R)	20-I	
6796				✓

Graded BBT runs

Graded BBT runs

BB450 Sel
8076

6797

Ⓡ 20-I

CI 940 2 natl sel
8078

6798

Excellent long ear
gold corn, med ht
dark green lf, good
shan

✓

Ⓡ 12-I

SNP

6799

Surface, ck

6800

6801	CI 9402 natl sel 1 plant 9/1	(R)	12-I	8078
6802	CI 9402 natl sel 2 plants	(R)	11-I	8084
6803	3 plants			✓
6804				✓
6805	CI 9402 natl cross 8/29	(R)	18 I	8102
6806				✓
6807	✓			✓
6808	Co I 9402 natl cross 8/24	(R)	18-I	8105

CI 9402 Hall Cross
8105 8/24 — 6809

(R) 18-I

✓ F-20 — 6810

CI 9402 Hall Cross
8108 — 6811
8/24

(R) 20-I

✓ — 6812

✓ — 6813

CI 9402 Hall Cross
8110 — 6814
F-20

(R) 29-I

✓ 8-16 — 6815

✓ 8-19 — 6816

6817	CI 9402 Natl cross 8-19 med ht, good lay, gra	Ⓡ	ⒼI	8112
6818				✓
6819				✓
6820	Nato, ck 8 11			
6821	CI 9075 8-18 v tall, v long - grain - smooth mis tips?		15	8123
6822				✓
6823				✓
6824	B551A 8-1-1-2 8/28			2014

Boret value

62 63

B551A8-1-1-2, TP/2 x Dewd TP. 6825
2014/28

(MS) 23 27

✓ 6826

B502A2-156-9-1-3, BBt x CP231 6827
2017/29

Ⓡ 19-I 30

✓ 6828

✓ 6829

stopped seeding here

tKINS
aterial P.I. 280673 aichi Asahi, Japan 6830
Pot 1624
8-14 (280673)

" 6831

" 6832

short list Japonica

28

6833 Pan PI 280,674 chocoto. Japan Pot 162
8-13
Tall V long-gr fair straw, check qual
8 AL

6834 PI 280,675 Ginga. Japan Pot 162
7/28

6835 " " ✓

6836 PI-280,676 Homare-Nishiki. Japan Pot-162
8-16
short ht jap.

6837 PI-280,677 Ishikari-Shiroke, Japan Pot-162
7-10
Bulked
38 L

6838 " 7-10 " " ✓

6839 PI-280,678 Kanto 51. Japan Pot 162
7/10
V short ht, V short pan
V early japonica ripe about 8/20
V short, narrow leaf japonica

6840 " ✓

P.I. - 280,678 Pat 1628	Kanto St		6841
PI - 280,679 Pat 1629	Norin 20	7-4	6842
" "		40	
✓		7-4	6843
" "			
✓		7-4	6844
PI - 224,862 ~~Pat~~ Big 62R	Norin 20	7-4	6845
" "		50	
✓		7-4	6846
" "			
✓		7-4	6847
PI 280680 Pat 1630	Norin 22	7-11	6848

6849 PI 280680 Nori 22
Pat 1630
8-11
short lt pubescence

6850 ✓ " "

6851 PI 280681 Jaducan. Japan
pat 1631
8-10

6852 ✓ " "

6853 ✓ " "
like 6854, sl taller
& wk stem

6854 PI 280682 Je-Jep. Japan
Pat 1632
8-15

6855 ✓ " "

6856 ✓ " "
small stems, wk stem which
med let,

PI 280683 Ulser. Joyce Pat 1633 8-10		6857
✓	"	6858
✓	"	6859
PI 280684 yakeiko Joyce Pat 1634 8-5		6860
✓ 8-10	"	6861
✓ 8-5	"	6862
PI 284628 Boyce. Joyce Pat-1656 7-6		6863
✓ 7-6	" "	6864

6865	PI 281628 Pat 1656 7-6	Bozu. Bulked		
6866	PI 281629 Pat 1657 7-6	Isaho-mochi.	Japan	27 Rel k
6867	✓ 7-6	" Bulked	"	
6868	✓ 7-6	"	"	
6869	PI 281630 Pat 1658 7-4	Norin 11. Bulked	Japan	
6870	✓ 7-4	"	"	
6871	PI 224855 Brig. 62R4213	Norin 11.	Japan	
6872	✓ Vl Ripe 8/23, med almost [illegible]	"	"	

PI 224855 Norin 11.
Biggs 62R4213 6873

PI 281631 Tonoemacari Jap
Pat 1659
7-10 6874

49 L

" " 6875

" " 6876

PI 281632 Wase-bozu. Jap
Pat 1660
7-6 6877

33 L

" " 6878
7-6

" " 6879
7-6

PI 281633 Wase shiroke. Jap
Pat 1661 7-6 6880

40 L

6881	PI 281633 Pat 1661 7-6	Wage Shioke Japan
6882	✓ 7-6	" "
6883	PI 277241 8-2	Taichung 171, Taiwan
6884	✓	" "
6885	✓	" "
6886	PI 279141 8-19	Kaohsiung Tai-li-Chin-yu. Taiwan
6887	✓	" " "
6888	✓	" " "

PI 224900  Tainoko. Taiwan 6889

" " 6890

" " 6891

PI 282939 Crustigulcula, Taihoku 6892
T-23

" " 6893
T-23

" " 6894
T-23

PI 282940 Kao-chio-lin-chuan. 6895
Taihoku

" " 6896

6897	PI 282940	Koa-chio-lin-chou.			
6898	PI 282941	Kun-shan-wo-shan-King.			
6899	"	"			
6900	"	"			

PI 282942 Kwang-Fu #1. Taiwan
No Plants 6901

" " 6902
1 Plant

" " 6903
No Plants

PI 282943 Natala. Taiwan 6904

" 6905
Just plants

" 6906

PI 282944 Nung-lin #21. Taiwan 6907

PI 282945 Pai-Kan-tao. Taiwan 6908
Thin pl/ond

6909	PI 282945 Pai-Kan-Tao. This stock			
6910	✓	"	"	
(Extra-Var.) 6911	PI 282946 Taichung Native #1. Taiwan 8-16			
6912	✓	"	"	
6913	✓	"	"	
6914	PI 282947 Taichung Line #33. Taiwan 8-18			
6915	✓	"	"	
6916	✓	"	"	

Introduction No.

PI 282948 Kaichung-Tsichio-wu-chien. 6917
8/10 Tainan

" " 6918

PI 236206 Shuko. (Japan) 6919
8/10

" 6920

" 6921

PI 273471 Up-21, strain 121. 6922
8/8

" " 6923

" " 6924

6925	PI 273472	UP-36 Strain 106.			203
	8/8				
			39	L	
6926	Bulk	"	"		
6927	L	"	"		
	PI 273473	UP-98, Strain 222.			
6928	8/8				204
			37	L	
6929	L	"	"		
6930	L	"	"		
	PI 274213	No. 65-122, To-to.			
6931	8/16				205
			9	I	
6932	L	"	"		

PI 274213	No. 65-112, To-to.	6933
205 8/16		
PI 274215	No. 10-1272 Pi: 3	6934
206 8-14		
	" " 38 L	6935
	" "	6936
PI 274216	No. 10-1336, Kongo (Brl.) 1 Plant	6937
207 8/15		HV
PI 281757	Erbsienne (France)	6938
209		HV
	" " 22 L	6939
	" "	6940

6941	PI 281758 Cesario				210
HV				54	L
6942	✓	"	"		
6943	✓	"	"		
6944	PI 281759 Cigalon.				211
HV		"	"	25	L
6945	✓				
6946	✓	"	"		
6947	PI 281760 Fanny				212
HV		"	"	44	L
6948	✓				

PI 281760 Fanny 6949

PI 281764 Jae Heun (Korea) (Suwon 152) 6950

" " 36 L 6951

" " 6952

PI 281765 Jin Heung (Suwon 158) 6953

" " 33 L 6954

" " 6955

PI 281785 Hongo GS 1281. (Japan) 6956

50 L

6957	PI 281785 Hongo G.S. 1231. S.H.				215
6958	✓	"	"		
6959	PI 281786 Noria 1. G.S. 289. V. Short H.T. V.N. leaf			59 L	216
6960	✓	"	"		
6961	✓	"	"		
6962	PI 281787 Noria 17. G.S. 285.			47 L	217
6963	✓	"	"		
6964	✓	"	"		

PE 281793 R. Bersani. (Port.)

218

6965

46 L

" "

6966

" "

6967

PE 281794 Stirpe 136. (Port.)

219

6968

49 L

" " "

6969

" "

6970

PE 281795 B-E. 3 (Phil.)

220

6971

" "

6972

Jacobsen

6973	PI 281795 BE 3 (Ohio)	220
6974	PI 281796 Binical	221
6975	" " 7 I	
6976	" "	
6977	PI 281797 Dinafor 8/26	222
6978	" " 16 I	
6979	" "	
6980	PI 281798 ~~F8~~ FB-16.	223

223		PI 281798	FB-76			6981
	✓	"	"			6982
24		PI 281799	FB-120.			6983
	✓	"	"			6984
	✓	"	"			6985
25		PI 281800	FB-124.			6986
	✓	"	"			6987
	✓	"	"			6988

Greenhouse

Transplanted to greenhouse

Transplanted to greenhouse

6989	PI 281801	FK-135			226
6990	✓	"	"		
6991	✓	"	"		
6992	PI 281802	FK-170	"		227
6993	✓	"	"		
6994	✓	"	"		
6995	PI 281803	Macapilay Susa.			228
6996	✓	"	"		

Transplanted to Jeerlow

Transplanted to Jeerlow

PI 281803 Mucupilay Pusa. 6997
228

PI 281805 Pinursigue. 6998 Hv
329

✓ " " 6999 Hv

✓ " " 7000 Hv

also, greenhouse

7001	PI 281806 3 plants	Raminad Str. 3.			230
7002	✓ 2 plants	"	"		
7003	✓	"	"		
7004	PI 281807 1 plant	Wag-wag.			231
7005	✓	"	"		
7006	✓	"	"		
7007	PI 281843	Fan yin Tsai. (Hong Kong)			232
~~40~~ 7008	✓	"	"	12	I

Transplanted to Greenhouse

Ripe 8/19
mid tall, smooth stems
[illegible]

32 PI 281843 Fan yin Tsai. 7009

33 PI 281844 Kam Gau Ngan. 7010

" " 15 I 7011

" " 7012

234 PI 281845 Lo Shu Ngan 7013

" " 15 L 7014

35 PI 281846 Pak Hul' chai mei

" " 19 L 7015

36 PI 281857 H-if M502 if Mao. (ceylon)

" " 17 L 7016

7017	PE 281857	H-4 M302 ¼ Mao.		236
7018	PE 281858	H-5 M302 ¼ Mao.		237
		" " 12 L		
7019	✓	" "		
7020	✓	" "		
7021	PE 281859	H-105 (Nurungakayan)		238
	9-4			
		" " 14 L		
7022	✓	" "		
7023	✓	" " "		
7024	PE 281860	H-105.		239
		6 L		

239 PI 281860 H-105 7025

" 7026

240 PI 281861 Muonngakayan 302. 7027

15 L

" " 7028

" " 7029

241 PI 281914 A-35-3 (Burma) 7030

" 7031

" 7032

Transplanted to Glenn Dale

7033	PI 281915	A-36-N.	242
7034	Transplanted to Seedbed	" "	
7035		" "	
7036	PI 281916	B-35-2	243
7037	Transplanted to Seedbed	"	TL
7038		"	
7039	PI 281917	B-401, Taung Deik Pan.	244
7040	Transplanted to Seedbed	" "	

244 PI 281917 B-401, Taung Deik Pass. 7041

245 PI 281919 C-33-18. 7042

✓ " " 7043

✓ " 7044

Transplanted to greenhouse

46 PI 281920 C-46-15 7045

✓ " 7046

✓ " 7047

Transplanted to greenhouse

47 PI 281921 D-25-4 7048

Trans. to greenhouse

7049	PI 281921	D-25-4			247
7050	✓	"			
7051	PI 282120	AC-2330 (IND:A)			248
7052	✓	"	"		
7053	✓	"	"		
7054	RI 282124	CO. 4			249
7055	✓	"			
7056	✓	"			

Transplanted to Neptune

250	PI 282122 Co 35	7057
	" "	7058
	" "	7059
251	PI 282123 Hybrid I.	7060
	"	7061
	"	7062
252	PI 282124 Hybrid II.	7063
	" "	7064

Transplanted to greenhouse

Transplanted to greenhouse

Transplanted to greenhouse

Transplanted to greenhouse

7065	PI 282124	Hybrid II.	252
7066	PI 282125	Nimrod Ram"	253
7067		"	
7068		"	
7069	PI 282126	DTB 10	254
7070		"	
7071		"	
7072	PI 282127	S-67	255

Transplanted to greenhouse

Transplanted to greenhouse

6 I

PI 282127 S-67 7073

255

" 7074

PI 282402 Ishi Pois Shirake (Japan)

256 7-8 7075

H

40 L

PI 282403 Norin #20. 7076

157 7-8

H

46 L

PI 282401 Ginga 7077

258 Ryl 8/24

H

51 L

PI 282392 Radin Siak (malaya) 7078

(mayaya)

53

" " 7079

" " 7080

Transplanted to greenhouse

7081 ✓ Hv	PI 282400 8-16	Aichi-Asahi (Japan)			157
			36	L	
7082	✓	"			
7083	✓	"			
7084 ✓ Hv	PI 282402 7-6	Ishikari-Shiroke			159
			36	L	
7085 ✓ Hv	PI 282403 7-8	Norin #20.			160
			48	L	
7086 ✓ Hv	✓ 7-8	"	"		
7087	PI 282455	Rahgn Mon 5-4. (Thai)			161
7088	✓	"	"		

bulked

Transplanted
to greenhouse

141 PI 282455 nakgn Mon 5-4. 7089

86 PI 282766 E-423 (Senegal) 7090

11 I HC

" " 7091

✓ Tall Stand type ripe 8/28

87 PI 282767 Jappein Tenkungo 7092

9-3

10 I

" " 7093

✓

" " 7094

✓

88 PI 282768 R-67. 7095

23 I

" 7096

✓ Tall, Stand type ripe 8/2

7097	PI 282769	R-75			189.
	E-13			16 I	
7098	"				
7099	"				
7100	PI 282770	RT-1.095 S26.			190
	E-13			16 I	

PI 282770 RT-1.095 526.

1908 8/21

" "

7101

E

7102

PI 282771 Tguape Catelo

1908 8/12

" " 10 I

" "

7103

E

7104

" "

7105

PI 283679 Dekanial (AWS) (Park.)

11

" " 5 I

7106

E

7107

PI 283680 Dulan (AWS)

12

8 I

7108

E

7109	PI 283680 V early	Delai (AUS)				212
7110	PI 283681	Hashikalmi (Aus)				213
7111	✓ V early	"	"			
7112	✓	"	"			
7113 SNP	PI 283682	Kataktara (AUS)		7	I	214
7114 Hw	✓	"	"			
7115	✓ V early	"	"			
7116 HK	PI 283683 V early Red seed coat	K-P-F-6 (AUS)		6	±	215

PI 283684 Lattoail (TL HMan)

216.

7117

" "

7118

" "

7119

Transplanting to greenhouse

PI 283685 marich Bati (AWS)

217

Replicants

5 I

" "

7120

7121

PI 283686 Sanchia (AWS)

218

7122

10 Rd I

" "

7123

PI 283687 Patnai-23 (TL Aman)

219

7124

Trans. to greenhouse

7125	PI 283687 Patnai-23 (TL Aman)				219
7126	✓	"	"		
7127	PI 283688 TilokKachari			Tr. Cont. To greenhouse	220
7128 ✓ Hv	PI 282819 8/12	C 115 (Taiwan)			192
			33	L	
7129	✓	"			
7130	✓	"			
7131 Nv	PI 282820 Chia-mung 242				193
			36	L	
7132	✓ Rup 9/3	"	"		

PI 282820 Chia nung 242

93

7133

PI 282821 Kaohsiung Line 135.

94

7134

33 L

" "

7135

" "

Pipe 8/20

7136

PI 282822 Kaohsiung Line 137.

95

7137

42 L

7138

" "

Pipe 8/10

7139

PI 282823 " " 164

96 8/15

7140

44 L

PI 282823 Kaohsiung Line 164. 196

7141 8/15

Hu

7142 ✓ " "

PI 282824 Pai-Pan-Tau. 197

7143

25 L

7144 ✓ " "

Hu

7145 " "

PI 282825 Taitung Yu 83. 198

7146 8/15

35 L

7147 ✓ " "

Hu

7148 ✓ " "

Caloro WaC I 156[illegible] 7149
B62-61.
8/15

42 L

" " 7150

" " 7151

rept 9/6

PI 277218 Chia-nan 14. 7152
65 9/1

30 L

" " 7153

" " 7154

PI 277221 Hsinchu 50. 7155
66 8/15

30 L

" " 7156

7157	PI 277221 Hsinchu 50. 8/15			166
7158	PI 277223 Hsinchu 10 8/17			167
		" "	40 L	
7159	✓			
7160	✓	" "		
7161	PI 277224 Hsinchu 22 8/14			168
			43 L	
7162	✓	"		✓
7163	✓	"		
7164	PI 277225 " 24 8-14			169
			49 L	

PI 277225 " 24 7165

" 24 7166

PI 277226 Kaokaning 67 7167

" 39 67 L 7168

" 67 7169

PI 277229 " 64 7170

" 44 64 L 7171

" 64 7172

7173	PF 277238 8/26	Aeschung	155		172
Ku			34 L		
7174	L	"			
7175	L	"			
7176	PI 277240	Aeschung	170		173
Ku			30 L		
7177	L	"	"		
7178	9/9 L	"	"		
7179	PI 277242 9/29	"	173		175
Ku			44 L		
7180	L	"	"		

PE 277242 "173 7181

PE 277244 " 180 7182

35

" 180 7183

" 180 7184

PE 277246 Jiaohung Spec. 6 7185

36

PE 277247 Hainan 1. 7186

34

" " 7187

" " 7188

7189	PI 277248 Jaipur 127.				179
			25 L		
7190		"	"		
7191		"	"		
7192	PI 277249 Jaipur 306.				180
			25 L		
7193		"	"		
7194		"	"		
7195	PI 277250 Jaipur 307.				181
			30 L		
7196		"	"		

81 PI 277250 Taipei 307. 7197

72 PI 277252 Taitung 1. 7198

8-12

36 ✓ Ho

✓ " " 7199

✓ " " 7200

7201	PI 277253	Jaitung 16		183
Hu			33 L	
7202	L	"	"	
7203	L	"	"	
7204	PI 277254	"	24.	184
			30 L	
7205 Hu	L	"	24.	
7206	L	"	24.	
7207	PI 277255	Yoshino 1.		185
Hu			26 L	
7208	L	"	"	

PI 277255 Yoshino 1.
185 4/4
7209

PI 277216 Chia-Nan 2. (Taiwan)
164 9/17
7210
30
" "
7211
" "
7212

PI 282387 Mayangelos 80 (malaya)
48
7213
" "
7214

PI 282456 Learing gai 34 (Thai)
62
7215
" "
7216

7217	PI 282456	Learing Gai 3	162
7218	PI 274213	To-To. (Japan)	62C1705
7219		"	
7220		"	
7221	PI 275453	Reichikko	B62-8773
7222		"	
7223		"	
7224	PI 224839	Kanto 51	B62-8735

PI 224839 Kanto 51.
B62-8735
7.31

PI-224839 " "

PI-226154 Aichi-Asahi
B62-8776
8/15

" "

" "

PI.-273469 Norin #22.
B62-8733

" "

" "

7225

7226

7227

7228

7229

7230

7231

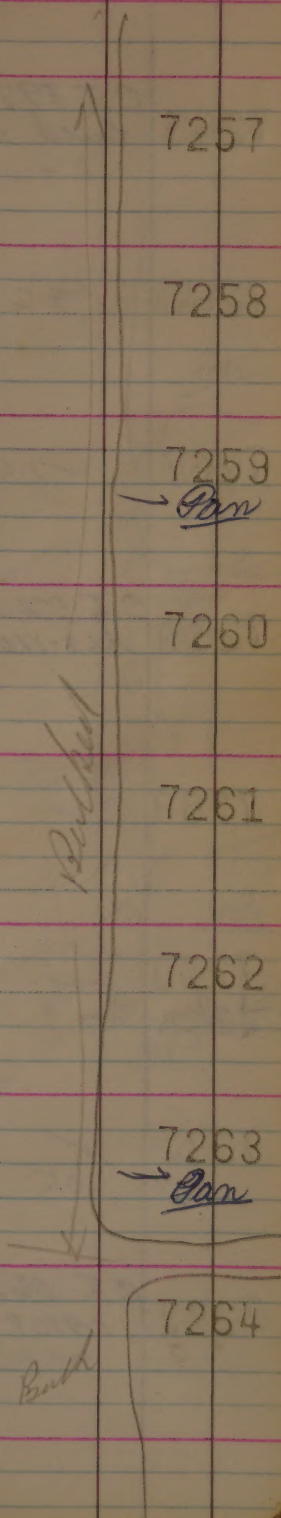
7232

7233	PI-226 862	Norin #30		862-8778	
	7-8		55 L		
7234	✓ 7-8	"	"		
7235	✓ 7-8	"	"		
7236	PI 201902 India			862-1109	
SNP			4 I		
7237	✓				
7238	✓				
7239	✓				
7240	CI 8970-S			1962 Pan Rows	
Pan	7-6				
44					

C.I. 8970-S 1962 Pan Rows						7241
	7-6					
✓	7-6					7242
✓	7-6					7243 Pan
✓	7-6					7244
✓	7-6					7245
✓	7-6					7246 Pan
✓	7-6					7247
C.I. 8970-S Bulk Seed 1962 Crop	7-6					7248 Pan ✓

7249	C.I. 8970-S 7-6			Bulk Seed 1962 Crop	
7250	✓ 7-6				
7251	✓ 7-6				
7252	P.I. 180061 7-18			Brok. 62	
7253	✓				
7254	✓				
7255	✓				
7256	C.I. 8970-P 7-6			1962 Pan Roso	

CI 8970-P Pan. roots 1962	7-G		7257
✓	7-G		7258
✓	7-G		7259 → Pan
✓	7-G		7260
✓	7-G		7261
✓	7-G		7262
✓	7-G		7263 → Pan
CI 8970-P 1962 Lucke	7-G		7264



7265	CI 8970-P bulk seed 7-6			
7266	〃 7-6			
7267	〃 7-6			
7268	CI 5309 B62-1103			
7269	〃		16 Red L	
7270	〃			
7271	✓ OK			
7272	CI 1162. Evangeline C-9707 mpl			

CI 1162
C-9707
no pl.

7273

✓ no pl

7274

CI 1206 Deliter
C-9614
8/20 OK

14 I

7275

Hc

7276

7277

I 1241 3 pl Vinita
C-9534
8/10

10 I

7278

Hc

✓ no pl

7279

✓ no pl

7280

TC

7281	CI 1267 Salvo C-9631 no pl			
7282	✓ Pan ✓ 1pl 9/81			
7283	✓ no pl			
7284	CI 1561 Watauhua C-7830 9/83 pl			
			37	L
7285	Kato General pl			
7286	General pl			
7287	Kato OK			
			51	L
7288	✓ OK 9/80 mg			

Nato
6K

7289

CI 1573 Omachi
C-9900 no plants

7290

✓

7291

✓

7292

CI 1643 Honduras
C-9550

7293

✓

7294

✓

7295

CI 1645 Caralic Gold
C-9663
1 plant

7296

Pass

7297	CI 1645 C-9663 no plants			
7298 Ban	1 plants			
7299	CI 1962-A C-9729 no plants	Blue bore Sd.		
7300	no plants			

CI 1962A — no plants. — 7301
C-9729

CI 1988 Gcadica — 7302
C-9861
9/1 (pl) — Can
42 L

(2 pl) — 7303
P

1 pl — 7304
P

CI 2128 Gmp. B·R — 7305
C-9870

7306

7307
no plants

CI 2702 Nvia — 7308
9/1 C-2813
9/4 OK
15 F

7309 CI 2702 Nia C-7813 ok

7310 ok

7311 CI 3625 · Shamed C-7807 no plants

7312

7313

7314 CI 3625. Shamed C-9599

7315

7316

CI 4440 C-9675 no pl		7317
✓ 1 plant		7318
✓ no pl		7319
Revere, B62-83 OK	~~CI 1779~~ CI. 1779 21 I	7320
✓		7321
✓		7322
CI 4559 C-9792 1 pl	gala	7323
✓ no pl		7324

7325 CI 4559 gala
C-9792
1 pl

7326 CI 4559 gala
C-9793
no plants

7327

7328

7329 CI 5451 Lady Wright
C-9520
no plants

7330

7331 9/L (1 pl?)

7332 CI 5550, Mortgage Lifter
C-9515
no pl?

CI 5550
C-7515
no plants

7333

✓ 7334

CI 5793, Supreme Blue Rose
C-7821
no plants

7335

✓ 7336

✓ 7337

Calaro, CI 1561-1

7338

43 L

✓ 7339

7340

Rye

7341	CI 6435 C-7816 OK			
7342				
7343				
7344	CI 7702, Early bright C-9518 no pl			
7345	no pl			
7346	no pl			
7347	CI 7705, Storm Proof C-9510			
7348	1 plant?			

CI 7705
C-9510
no pl

7349

CI 7763. Creole Brand
C-7477
no pl

7350

31 Rd L

Bulkhead Pan

2 pl

7351
Pan

2 pl

7352
Pan

CI 7786. Calady 40
C-9687
1 pl

7353
Pan

53 L

Bulkhead Pan.

no pl

7354

2 pl

7355
Pan

Zenith, CI 7787
B62-6
OK

7356

34 L

7357 Zepich CI 7787 OK 862-6

7358 OK

7359 CI 8312, Cesahi C-9692 8/28 2pl 30 L

7360 Ku 3pl

7361 1pl

7362 CI 8314 Ramona C-7815 8/15 48 L

7363 Ku OK

7364

CI 8317. Blue Rose 41
C-7817
8/31

7365

34 L

7366

7367

CI 8322, Bluebonnet
C-781
8/23

7368

15 I

7369

7370

CI 8987. 322 B6-23
Ohio. 1953V317
9/11 OR

7371

16 I

7372

no pl

7373 CI 8987. 3 22 A 6-23
Cro. 1953 V317

7374 CP 231, CI 8993
B62-23

59 I/H

7375 ✓
No

7376 9/8
RWJ ✓

7377 CI 8992. 9mp. Bbt.
C-7812
9/28

15 I

No
7378 ✓

7379 ✓

7380 CI 9019. 3-I-9-2-4
Cro 5-3 V406
8/31

34 L

CI 9019
53V406
8/31 OK

7381

✓ fue pl

7382

CI 9020 GE-25-12
C-9968

7383

no planta

7384

✓

7385

✓

CI 9028. 7/8-3-12
54V402

7386

16 I

7387

✓

7388

✓

CI 9052. Hill Long Br.
C-7824

7389 — 51 I

7390 ✓

7391 ✓ Pipe 9/13

Bulle Patna, CI 9443
B62-113

7392 — 9 I

7393 ✓

7394 ✓

CI 9112. Rx - Ralf
C-9782

7395 — 27 I

7396 ✓

C I 9112
C-9782

7397

Edith. C I 2127
C-9789
no plants

7398

7399

7400

7401	Dischler C-9591 1 pl			
Pan			50 I	
7402	8/24 ½ pl			
Pan				
7403	3pl			
Pan				
7404	Conway 16-1 C-9512			
7405				
7406				
7407	? Blue Rose C-9714 no pl			
7408	no pl			

T~ Blue Rose
C-9714
no pl
7409

Early Prolific C.I. 5883
B62-3
O.K
7410

64 1/c
7411

~ OK.

Pure 9/5
~ O.K,
7412

Virey
C-9789
no pl
7413

~ 1 pl
7414

~ 2 pl
7415

K-N
C-7478
8/28 OK
7416

11 I

7417	R-N C-7478 9/28 OK
7418	✓ OK
7419	Elliott C-7804 no plat
7420	✓
7421	✓
7422	Drewson C-9559 no pl
7423	✓ no pl
7424	✓ pl 9/28

Early Luna
C-9577
no pl

7425

8/29 ✓ 1 pl

7426
Dan

56 H

8/30 ✓ 2 pl

7427

Bbt 50, CI 8990
8/27 OK

7428
Hc

18 I

7429

7430

Butte
C-7828
8/30 OK

7431

24 L

7432

WORLD COLL. 7440- 7698

7433 Battle
C-7828
9/10 OK

7434 Early Wataribune
C-7831
OK 8/12

33 L

7435 ✓
AG

7436 ✓

7437 Wase Shinriki
C-7829
OK 8/10

L

7438 ✓
AG

7439 ✓

7440 S.D. 114
(Haiti)
no pl

SD 120 (HAITI)	7441
PR 208 (Puerto Rico)	7442
PR 209 (Puerto Rico)	7443
PR 378 (Puerto Rico)	7444
PR 398 (Puerto Rico)	7445
PR 428 (Puerto Rico)	7446
PR 433 (Puerto Rico)	7447
CI. 27 (Ceylon)	7448

no pl

7449	CI. 126 (PHIL.) no plants			
7450	CI. 1168-27 (THAILAND) 8/16	OK	12	I
7451	CI. 3862 (PHIL.) VE			
7452	CI. 7020 (CHINA) VE		9	I
7453	CI. 7132 (CHINA) VE			
7454	CI. 7192 (INDONESIA) VE			
7455	CI. 7208 (INDONESIA) V. L.			
7456	CI. 7273 (PHIL.)		17	I

VE	CI. 7305 (PHIL.)	OK	7457
		14 I	
VE	CI. 7395 (CHINA)		7458
VE	CI. 7404 (CHINA)		7459
		12 F	
VE	CI. 7999 (INDONESIA)		7460
	CI. 8150 (INDIA)		7461
	CI. 8284 (Peru)		7462
		10 I	
	CI. 8287 (Peru)		7463
		15 I	
	CI. 8292 (Peru)		7464
		19 F	

7465	CI. 8337 (PERU) Rupe 8/26 long-gr	OK	6	I
7466	CI. 8352 (TAIWAN) Rupe 8/20		8	I
7467	CI. 8359 (TAIWAN) Rupe 8/20		22	Red 3/c
7468	CI. 8401 (TAIWAN) Rupe 8/30 V Fair, no stem		22	Red 3/c
~~7469~~	~~CI. 8402 (TAIWAN) no plants~~			
7470	CI. 8405 (TAIWAN) 3 pl			
7471	CI. 8409 8/27 (TAIWAN)	OK		
7472	CI. 8410 (TAIWAN)		12	L

OK

CI. 8419 (TAIWAN) 7473

Pipe 8/27 Tall handle, ink stem, red top

8 L

CI. 8420 (TAIWAN) 7474

8/21

CI. 8425 (TAIWAN) 7475

44 L

CI. 8453 (TAIWAN) 7476

8/25

48 L

CI. 8467 (TAIWAN) 7477

no pl

CI. 8487 (TAIWAN) 7478

CI. 8490 (TAIWAN) 7479

(pl)

Pam

CI. 8491 (TAIWAN) 7480

7481 Pan	CI. 8496 (TAIWAN) (1wk pl)	no plants
7482	CI. 8497 (TAIWAN) (2 pl)	
7483	CI. 8500 (TAIWAN)	
7484	CI. 8503 (TAIWAN)	
7485	CI. 8505 (TAIWAN)	
7486	CI. 8506	
7487	CI. 8507	
7488	CI. 8510 1 pl	

CI. 8513 ~~no plants~~ (3 plants)	7489
CI. 8528 No plant	7490
CI. 8531	7491
CI. 8534	7492
CI. 8535 1 pl. ?	7493 Dan
CI. 8537	7494
CI. 8538	7495
CI. 8539	7496

7497	CI. 8540	no plants
7498	CI. 8541	
7499	CI. 8542 1 plant ?	
7500	CI. 8545	

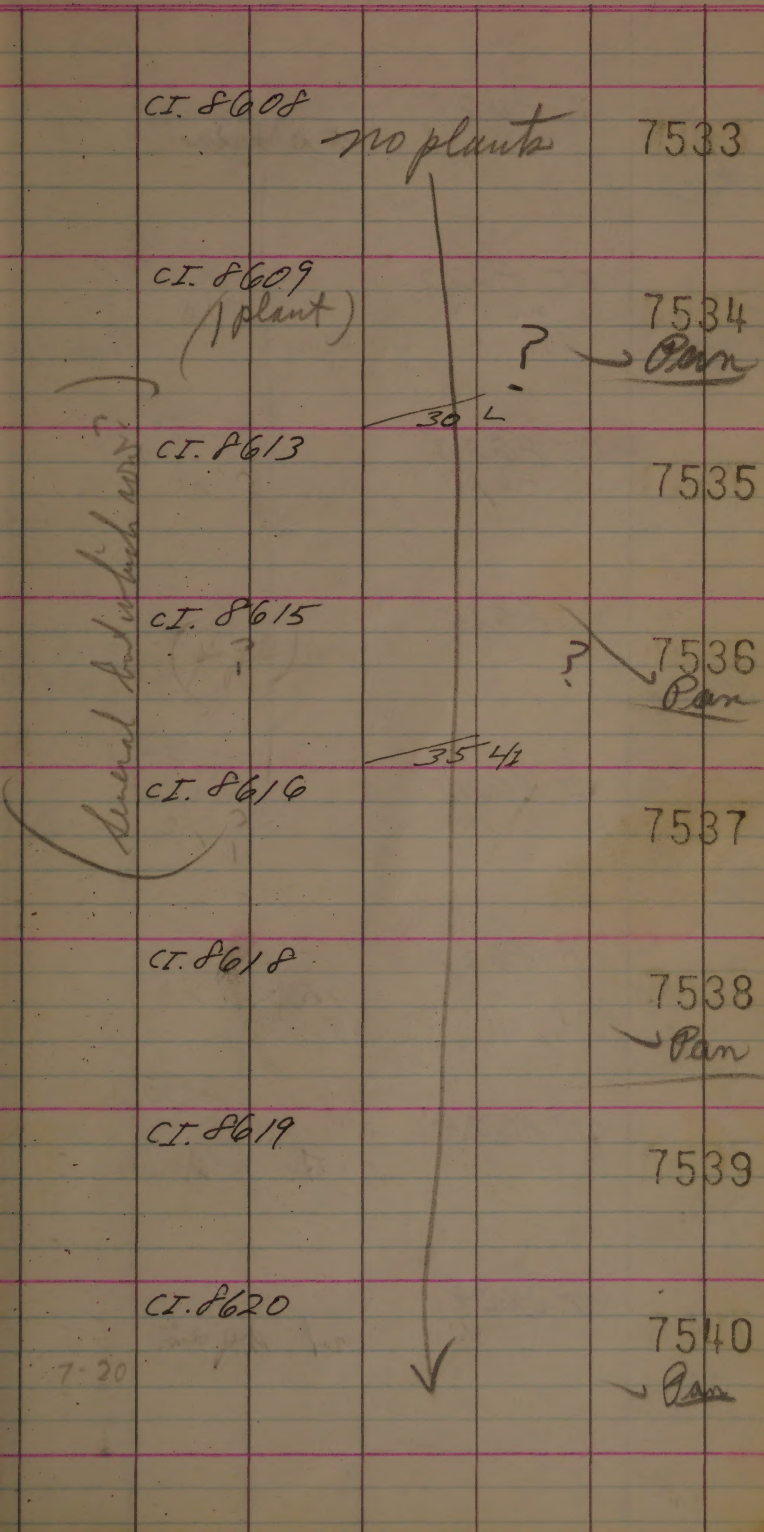
Pan

CI. 8546	no planta	7501
CI. 8549		7502
CI. 8550		7503
CI. 8551	OK	7504
CI. 8553	no planta	7505
CI. 8555		7506
CI. 8559		7507
CI. 8560		7508

7509	CI. 8560-1	no plants	
7510	CI. 8564 (1 plant)		
Corn			23 Rod L
7511	CI. 8570		
7512	CI. 8571		
7513	CI. 8573		
7514	CI. 8574		
7515	CI. 8577		
7516	CI. 8578		

CI. 8581	noplanto	7517
CI. 8583		7518
CI. 8584		7519
CI. 8585		7520
CI. 8586		7521
CI. 8589		7522
CI. 8591		7523
CI. 8592		7524

7525	CI. 8594	no plants	
7526	CI. 8595		
7527	CI. 8599		
7528 Plan	CI. 8602 (1 pl)		46 L
7529	CI. 8603		
7530 No	CI. 8604 7-30	OK	30 L
7531 No	CI. 8605 7-30	OK	27 L
7532	CI. 8606	no plants	


CI. 8608
no plants
7533
CI. 8609
(1 plant)
7534
Pan
?
30 L
CI. 8613
7535
CI. 8615
?
7536
Pan
35 4/4
CI. 8616
7537
CI. 8618
7538
Pan
CI. 8619
7539
CI. 8620
7540
Pan

7541 Pan	CI. #621	1 planta		
7542 Pan	CI. #622		46	L
7543	CI. #623			
7544 Pan	CI. #625		34	L
7545	CI. #626			
7546	CI. #627	OK looks like PI 215,936	30	L
7547	CI. #628	1 planta		
7548	CI. #629	1 planta		

CI. 8632
2 pl
7549
15 I

CI. 8633
OK
7550
31 Red L

CI. 8645
no plants
7551

CI. 8646
OK
7552
13 I

CI. 8901
7553
5 I

CI. 8906 A
7554

CI. 8955
7555
10 I/L

CI. 8970
a
7-8
7556
25 L/S

7557 Hv	C.I. 8970 (B) 7-8	OK		
			23	I
7558 Hv	C.I. 8970 (C) 7-8			
7559 Hv ✓	C.I. 9015. B459 A1-95 8/26 Hill Sel. x Rexam			
7560 Hv ✓	C.I. 9018. B438 A1-104-4 8/30 Sm BR-BR41 x C.I. 8326			
			43	L
7561 Hv	C.I. 9033 pipe 8/30	E.L.	Gopher	
			12	I
7562 Hv	C.I. 9034 pipe 8/30	E.L.	Gopher	
			11	I
7563 Hv	C.I. 9036 Ripe 8/30	Penn. B.	Gopher	
			13	I
7564 Hv	C.I. 9038 Ripe 8/30	R.L.	Gopher	
			13	I

all are Nomad types, tall

PR 430?

PR 430. Puerto Rico

CI. 9098 OK 7565
Pupe 8/20
Tan, ink stain

CI. 9108. B4512 A1-20
7-25 Hill Sel. x Blk. 7566
13 I

CI. 9120. B4527 A1-11
TP 49 x Blk. 7567
27 I

CI. 9121. B4512 A1-4
7-31 Hill Sel. x Blk 7568

CI. 9124 Hill Red. Sel.
8/26 7569

CI. 9125. Hill Red x Z
Pupe 8/30 B45-15-1-8-2-1 7570
57 L

CI. 9131. Kerang Serang Sel
B47-04980 D1 7571
22 L

CI. 9139. B45-13 A1-25-1-2-2
Pupe 8/28 Hill Sel. x Blk 7572
16 L

7573	CI. 9147	High Mix. 12-49-3-4 OK Rate Sh. Br. OR.
		13 L
7574	CI. 9154	R-50, B45 12 A1-20 Sel.
	8-2 Rye 8/28	
		34 I
7575	CI. 9167	Hill Sel. x Bbl. C53-4044
	8-2 Rye 8/28	
		54 L
7576	CI. 9175 8/27	C53-4170 4D-8-14 x 4D-1-8
		16 I
7577	CI. 9219 8/26	S.D. 120
		50 L
7578	CI. 9228 Rye 9/6	B437A1-6-1-17-4 Sm BR-BR41x 8325
		59 L
7579	CI. 9232. 8/20	Hill Med. Sel. B44-2647-3-1
		65 L
7580	CI. 9239. 8/19	B4530 A1-36-2-1 TP49 x Hill Med.

CI. 9241 OK
Conf. Sel. 7581
B54-234-2-1

17 I

CI. 9243. 110-116-1-1-1
9/1 FPX B3812A 7582

CI. 9245. B4512A1-106-1-3
no plant 7583
Hill Sel x B54.

CI. 9251 OK Rexamp Sel.
9/1 B47-3054 7584

43 L

CI. 9263. B459A1-31-4-1-1
Pupa 8/26 Hill Sel x Rexamp 7585

39 I

CI. 9281. B459A3-47
8/26 Hill Sel. x Rexamp 7586

29 L

CI. 9282. B4555B102-2-2-4
8/29 Bruin Sel. x B1 7587

39 L

CI. 9284. Hyb. 114. 12-47-6-2
8/26 Latte Sel. Sn. 7588
Bulk

38 L

		Hyb. Mix. 11-47-11-3-14
7589	CI. 9291 8/10.	OK Early Sh. Gr. Bulk
7590	CI. 9349. Pipe 8/29	B45983-13-1-2 Hill Sd. X Ry corn
7591	CI. 9383 7-31 Pipe 8/26	56 I B5223 A5-4-2 CI 9122 X Blk. 50
7592	PI. 160439 7-31 Syn. on surf.	14 I
7593	PI. 160439	
7594	PI. 160439	
7595	PI. 160440	
7596	PI. 160440	13 I

PI. 160465	7597
PI. 160465	7598
PI. 160470	7599
PI. 160477	7600

two patents

7601	PI. 160477	no plants
7602	PI. 160524	
7603	PI. 160544	
7604	″	
7605	PI. 160547	OK
7606	PI 160553 8/20	OK
7607	PI. 160597 8/19	OK
7608	PI. 160609	no plants

OK Rupe 8/4	PI. 160627		7609 Barr
		10 I	
no plants	PI. 160715		7610
no plants			7611
OK 8/15	PI. 160724		7612
		29 L	
no pl	PI. 160749		7613
1 pl 8/15	PI. 160785		7614
		13 I	
OK 8/26	PI. 160802		7615
		28 L	
OK 8/27			7616
		28 L	

7617	PI. 160821-4 OK 8/15			
			50	L
7618	PI. 160919 no plants			
7619	no pl			
7620	PI 160925 OK Sudif 8/26			
7621	PI. 160934 1 pl			
7622	no pl			
7623	PI. 160983 no pl			
7624	PI 160984 OK 8/18			
			20	I

2 pc

PI. 161000

7625

Pam

PI. 161009

Pipe 8/31

7626

12 I

11

7627

PI. 161015

Pipe 8/31

7628

7629

PI. 161031

Pipe 9/4

7630

16 L

PI. 161032

Pipe 9/4

7631

7632

7633 NW	PI. 161076 E/26 V tall		2.0	I
7634 NW	PI. 165610 9/3		10	I
7635	✓			
7636	PI. 180178 V early V slant			
7637	PI. 180182 Ripl 8/20			
7638 NW	PI. 180182 Ripl 8/20			
7639 NW	PI. 180182 Lat		12	I
7640 NW	PI. 198624 E/24			

6/24	PI 198625		7641
	PI. 199544		7642
9-21		15 I	
no planta	PI. 199546		7643
	PI. 199550		7644
		17 (20 I)	
no planta	PI. 202092		7645
8/12	PI. 209933		7646
		26 L	
	PI. 209935		7647
		54 L	
Rya 8/26	PI. 209987		7648
		10 I	

7649 Nv	PI. 209988 8/16			
7650 Nv	PI. 209989 Rep 8/31			
7651 Nv	PI. 209996 Rep 8/31			
7652 Nv	PI. 215821 Rep 9/8			
			36	L
7653 Nv	PI. 215854 Rep 9/8			
			40	L
7654 Pan	PI. 215880 1 planta 9/1			
7655	PI. 215910 no planta			
7656	no planta			

PI. 220722	7657
PI. 220725	7658
PI. 220729	7659
PI 220734	7660
PI. 220743	7661
PI. 220750	7662
PI. 220754 15 4/E	7663
PI. 220755 no planta	7664

7665	PI. 223553 8/24 Vidal			
Nv			20	I
7666	PI. 223569 Rupa 8/31			
7667	PI. 223570 no planta			
7668	PI. 223575 no planta			
7669	PI. 223612 8/12			
Nv			84	H
7670	PI. 224605			
Nv			18	L
7671	PI. 226313			
Nv			24	I
7672	PI. 226314			
Nv			24	I

PI. 226315

7673

21 I

PI. 226318

7674

PI. 226323

7675

PI. 226352

7676

22 I

PI. 226365

7677

23 I

PI. 226399

7678

PI. 226423

7679

36 L

PI. 226424

8/15
V good US type

7680

50 L

7681 Hv	PI. 226425 8/15			
7682 Hv	PI. 226426 8/15		49	L
7683 Hv	PI. 226428		38	L
7684 Hv	PI. 226429 8/25		40	L
7685 Hv	PI. 226430		83	H
7686 Hv	PI. 226431			
7687 Hv	PI. 226432		38	(Range 37) L
7688 Hv	PI. 226433		83	H

~~PI. 226433~~
PI. 230102-1 — 7689

PI. 230102-2 (15 I) — 7690

-3 — 7691

(19 I) ~~4~~ 5 — 7692

~~5~~ 4 — 7693

-6 — 7694

PI. 233156 — 7695

PI. 233158 (19 L) — 7696

Repr. 9/1 Tall bamboo type

Mexico Sel. from Adair 7699 - 7859
1961-62 BELTSVILLE POT NOS.

7697	PI. 245083			
7698	PI. 245717 v early, v slendegr medlerue, v wk stem			
7699	B581A6-.576	M-1-1		(Belts no + 1961 A Mex. Crop 1284-1
7700	"	-2		1284-2

Beltsville plot no
x
Mx 1961A
Crop no

B581A6-576M-1-3 (CP231/3 x BBt)/2 x PI 215936
1284-3
no plants
7701

B581A6-576M1-4
1284-4
no plants
7702

B581A6-576M-2-1
1285-1
7703

" [illegible]-2
1285-2
7704

" [illegible]-3
1285-3
7705

" [illegible]-4
1285-4
7706

B581A6-576-3-1
1286-1
7707

B584A 2-4M-1-1 BBt50 x Jojutla
1287-1
Mx750
7708

				Beltsville pot no 1944 Chrysan
7709	B584A 2-4M-1-2		BBT50	Joyella 1287-2 my 750
7710	B584A 2-22M-2-1		"	1288-1 my 769
7711	B584A 2-27M-1-1			1289-1 my 772
7712	B584A 1-12M-1			1290-1 my 801
7713	"	-2		1290-2
7714	"	-3		1290-3
7715	"	-4		1290-4
7716	"	-5		1290-5

Belle pat #
My 1961A
Crop no

1290-6 My 4801	B584A1-12M1-6	BQ50 x Jagguar	7717
1292-1 My 4807	B584A1-13M1-1		7718
1292-2	-2		7719
	BLUEBONNET-50		7720
1292-3	B584A1-13M-1-3		7721
1292-4	-4		7722
1292-5	-5		7723
1292-6	-6		7724

				Bolt Pod mx
7725	B584A1-13M-1-1,		BB1 50 x Joyuda	1292- mx 80
7726	B584A1-13M-2-1			1293- mx 80
7727		-2		1293-2
7728		-3		1293-3
7729	B584A1-16M-1-1			1294- mx 818
7730	B584A1-52M-1-1			1295- mx 86
7731		-2		1295-2
7732		-3		1295-

Beltsville
Rot no
Myc 1964
Crop no

B584A1-52-M1-4, 1295-4 Myc867	B580 × Jojutla	7733
-5, 1295-5		7734
B584A2-54-M1-1, 1296-1 Myc869		7735
-2, 1296-2		7736
B584A2-55-M1-1 1297-1 Myc873		7737
B584A2-63-M1-1 1298-1 Myc874		7738
-2, 1298-2		7739
CHECK	JOJUTLA	7740

				Bella Pot M + Mx 1961 A Crop no.
7741	B584A2-63M-2-1	,	BBT50	x Jagüilla 1299-1 Mx 875
7742		-2		1299-2
7743		-3		1299-3
7744		-4		1299-4
7745	B584A2-63M-3-1			1300-1 Mx 877
7746		-2		1300-2
7747	B584A2-63M4-1			1301-1 Mx 879
7748		-2		1301-2

Belts. Pathe
+ mx 1961 A
crop no.

B584A2-63M4-3,			BBI80 x Jojutla		
1301-3					7749
mx879					
	-4				
1301-4					7750
B584A2-63M-5-1					
1302-1					7751
mx883					
	-2				
1302-2					7752
B584A2-81M-1-1					
1303-1					7753
	-2				
1303-2					7754
	-3				
1303-3					7755
	-4				
1303-4					7756

		Belt Pat + Mex 144/1 crop no
7757	B584A2-81M-2-1, B8750x	Jogutla 1304-1 Mx895
7758	B582A1-7M-1-1, CP231X	Jogutla 1305-1 Mx896
7759	-2	1305-2
7760	BLUEBONNET-50	CHECK
7761	B582A1-7-1-3,	1305-3
7762	B582A1-7M-2-1	1306-1 Mx897
7763	-2	1306-2
7764	B582A1-7M3-1	1307-1 Mx898

Belt Pat no
mf 1961A
Crop no

1307-2 mf 898	B582	A1-7M-3-2	CP231 x Jayantla	7765 Nu
1307-3		-3		7766
1309-1 mf 901	B582	A1-7M-5-1		7767
1309-2		-2		7768
1309-3		-3		7769
1309-4		-4		7770
1310 mf 902	B582	A1-7M-6-1		7771
1311-1 mf 903	B582	A1-14M-1-1		7772

7773	B582A1-14M-1-1,		CP231 x Jojutla	1311-2 M4903
7774	B582A1-14M-2-1			1311-3 M4904
7775		-2		1311-4
7776	B582A1-14M3-1			1312-1 M4904
7777		-2		1312-2
7778		-3		1312-3
7779		-4		1312-4
7780	JOJUTLA			CHECK

B582A1-14M-4-1 1313-1 mf905	C(223) x Jupiter	7781
B582A1-41-1-1 1314-1 mf946		7782
1314-2	-2	7783
1314-3	-3	7784
B582A1-41M-2-1 1315-1 mf946		7785
B582A1-62M-1-1 1316-1 mf957		7786
B582A1-62M-2-1 1317-1 mf958		7787
1317-2	-2	7788

7789	B582A1-62M-3-1, CP231X		Impeller 1318-1 Mx 96
7790	B585A1-21M-1	B874 x Luna	1320-1 Mx 97
7791	-2		1320-2
7792	-3		1320-3
7793	-4		1320-4
7794	B585A1-52M-1-1		1321-1 Mx 1010
7795	-2		1322-1
7796	-3		1322-2

BS85A1-52M-1-3 1322-3	BBT 50 x Dma	7797
BS85A1-52M-2-1 1323-1 Mp1013		7798
1323-2	-2	7799
CHECK	BLUEBONNET 50	7800

6690	– 6/12
91	"
92	"
93	9/12
94	9/14
95	7/15
96	7/15
97	7/15
98	7/15
99	7/15
6702	7/16

check A graph on 62–7956
on 1963 rows 6783–85

6622-24 Cross with CI 9545-
6628-30 " " "

6622 to 6658 are B5723A3-38 lines (Sonsare I to alhuli)

use 6677-74 ~~6666-77~~ B5723A4-10-5-2-2

and R to HB Cross with CI 9545, et al

CR FORM 6
APR. 1962

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Crops Research Division

FIELD NOTEBOOK
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SCALE FOR ESTIMATING RUST

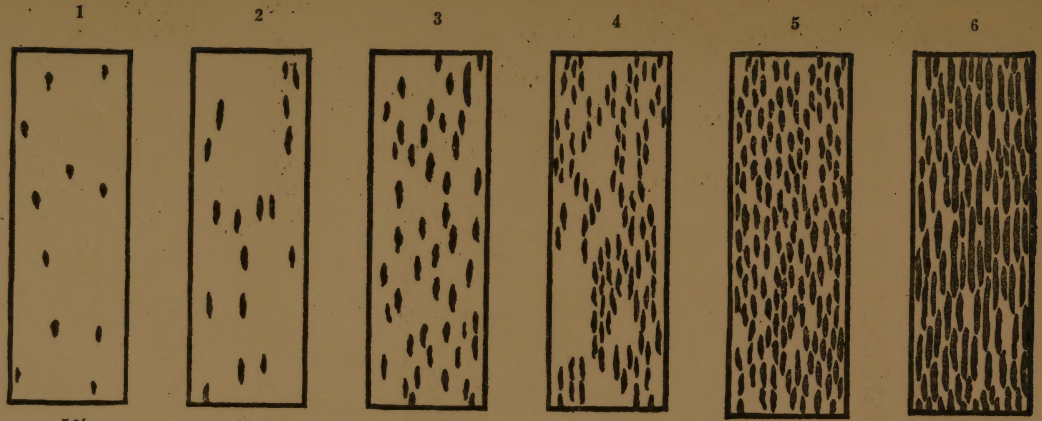

Diagram showing six degrees of rustiness, which may be used in estimating the percentage of rust infection on leaf or stem. The shaded spots represent rust, and the figures represent approximately the rust percentages computed on the basis of the maximum amount of surface covered by rust as shown in the 100% figure. This figure (No. 6 in the diagram) represents 37% of actual surface and is arbitrarily selected as 100%. Other percentages are in terms of No. 6.

This scale is easy of application. A number of leaves are gathered from the row or plot at random, and a number of plants carefully examined for stem rust; these are compared with the diagrams and the proper figures recorded in the notebook.

The plus or minus sign may be used to indicate a slightly greater or less amount of rust than the nearest figure.

While these figures may not express accurately the actual surface of host tissue rusted, they do provide a usable systematic method for recording rust infection, and will more intelligibly represent the facts than will figures showing resistance percentages or infection percentages on the 50% (maximum) basis.

7801				1323-3	
7802				1323-4	
7803				1324-1	
7804				1324-2	
7805				1324-3	
7806				1324-4	
7807				1325-1	
7808				1325-2	

1325-3	7809
1326-1	7810
1326-2	7811
1327-1	7812
1328-1	7813
1328-2	7814
1328-3	7815
1329-1	7816

7817				1329-2	
7818				1329-3	
7819				1330-1	
7820	TOJ UTLA			CHECK	
7821				1330-2	
7822				1330-3	
7823				1330-4	
7824				1330-5	

1331-1	7825
1331-2	7826
1331-3	7827
1332-1	7828
1332-2	7829
1333-1	7830
1333-2	7831
1334-1	7832

7833				1332-3	
7834				1335-1	
7835				1335-2	
7836				1335-3	
7837				1335-4	
7838				1336-1	
7839				1336-2	
7840	BLUEBONNET-50			Check	

1336-3	7841
1336-4	7842
1337-1	7843
1337-2	7844
1338-1	7845
1338-2	7846
1340-1	7847
1340-2	7848

~~Tojutla~~ ~~Hybrids~~ 7859 - 7891
OBT-50/2 X Tojutla

7849				1340-3	
7850				1341-1	
7851				1341-2	
7852				1341-3	
7853				1341-4	
7854				1342-1	
7855				1342-2	
7856				1342-3	

1343-1		7857
1343-2		7858
20,116		7859
CHECK	BLUEBONNET-50	7860
3 – B6133A1-1 20,117	BBT50/2 x Jojutla B584A1-16-5-2 x BBT50	7861
B6133A2-28 20,118-28	"	7862
-33 20,118-33		7863
-34 20,118-34		7864

F3 7865	B6133A2-36,	(B584A1-16-5-2 x BBt50) BBt50/2	x Jajubla	20,118-36
7866	-37			20,118-37
7867	-38			20,118-38
7868	-39			20,119-1
7869 Pan Nv	-40			20,119-42
7870	-41		14 I	20,120-30
7871	-42			20,120-39
7872	-43			20,120-41

F3 - B6133A2-44, B584A1-16-5-2 x BBt50 BBt50/2 x Jojutla
20,121-34 7873
Pan
13 I
-45
20,121-43 7874
-46
20,121-44 7875
-47
20,122-5 7876
-48
20,122-25 7877
Pan
20 I
-49
20,122-33 7878
-50
20,123-21 7879
BLUEBONNET-50
CHECK 7880
19 I

		(B584A1-16-5-2)		
7881	F3 - B6133A2-51,	BBTCO/2 X Jojutla		20,123-2
7882	-52			20,123-37
7883	-53			20,123-4
7884	-54			20,124-13
7885	-55			20,124-27
7886	F3 - B6123A2-16			20,135-28
	Pan Hv		191	
7887	-21			20,135-29
	Pan Hv		19 I	
7888	-3			20,135-35

B6123A2-4 20,136-22	(B582A1-40-8-3) (EP231 × Jojutla) BBtS	7889
20,136-25 -5		7890
20,136-26 -6		7891
B5813A12-9-2, PI 215,936 × Sarrosa 16,606 (MR to Stk Hd) Sand each, Lab		7892
✓		7893
✓		7894
✓		7895
✓		7896

7897	B5813A12-9-2, PI 215,936 x Lacrosse			16,606
7898				✓
7899	B5813A12-9-1		〃	16,605
7900		〃		✓

was MR to straighthead in 1962

1962 Plant Sel. 7908 – 7930

B5813A12-9-1, PI 215,936 x Lacrosse
16,605

51 L

7901

✓ " 7902

✓ " 7903

✓ " Bulk 7904

✓ " 7905

✓ " 7906

✓ " 7907

was MR to straighthead in 1962

B5617A32-34-1-2, Rex/2 x PI 183,331
2175

Sg. ht. (sh + I.)

7908

v short ht, profuse tillering in 1962, v sturdy

		Burnt	5th Hd	2nd-alk	
			HB	62 / 63	
7909	BS617A32-34-1-2, Rex/2xPI 183,331				2175
7910	BS85A1-33-1-2, BB 50 x Dima			17 I	2338
7911					✓
7912	BS85A1-63-1-3	30	(S)	27	2415
7913				24 I	✓
7914	BS83A1-21-2-2, CP 231 x Dima	34	(VS)	15-2	2765
	Leafy BB type, dark green				
7915	BS83A1-21-2-2		VS	19 I	✓
7916	BS83A1-21-2-3		VS	10-I	2766

2d alk Biuret
62 63 62 63

B583A1-21-2-3, CP231 x DIMA
2766 7917
15 F

B583A1-21-3-1, "
2767 7918
18 I

" 7919

Check BLUEBONNET-50 7920

Blackhull Mutant from CP231 x DIMA
2916 7921
18 I

" 7922

B582A1-41-4-2, CP231 x Jojutla
3334 67 33 7923

" 7924
68 H

Grlat. Sel. 7931- ~~7950~~ 7955

	Plant R1 / R6	Stalk HB	2d-clk 62 / 67	
7925	B596A5-9-4 S / S+R	BB45 (MS?)	x E (14-2)	(B589A4) 5690
			17	I
7926	"			✓
			16	I
7927	B572A3+47-2-3	P (O)	215,936 13-1	x C19214 6024
	↕ good texture ~1962		17	I
7928				✓
			16	I
7929	B572A2-1-1-1-2	P	30-4"	6141
			16	I
7930				✓
			21	I½
7931	Crowley long-grain Waxy		(C474-1)	20,223 early
7932	"			✓

Crowley long-grain Waxy (C 4211-1) 20,223			7933
~	"		7934
~	"		7935
~	"		7936
~	"		7937
~	"		7938
~	"		7939
Check	BLUEBONNET-50		7940

7941	Crowley long-grain waxy (C 4711-1)			20,223 Early
7942	"			✓
7943	"			✓
7944	"			✓
7945	"			✓
7946	"			✓
7947	"			✓
7948	"			✓

Crowley long-grain waxy (c4711-1)

20,223 late — 7949

" — 7950

" — 7951

" — 7952

" — 7953

" — 7954

" — 7955

B6115-1, (B5464A2-5-5-5 × B563A1-19-2) × (Hyb Mix × Redcp23) × (cp23 Dw × BB50) — 7956

20,027-1

I/c

B6115 A, (HyBMix X Red CP) X (CP231 Z-10-1 (DW) X BB13

F3

B6115A1-2, B5464A2-5-5-5 X (HyBMix x Red CP231) x B563A1-19-2 (CP231 (DW) x BB13

7957 — 20,027-2

35 I

-3

7958 — 20,027-3

39 H

-4

7959 — 20,027-4

23 L

Trrad. CP231 (DW). Check a Parent

7960 (B55-8513) — Check 7917

60 H

B6115A1-5,

7961 — 20,027-5

23 I/L

-6

7962 — 20,027-6

69 H

-7

7963 — 20,028-1

Enlarge from the row

33 I/H

-8

7964 — 20,028-2

30 L

(F3)

B6115A1-9, B5464A2-5-5-5 × B563A1-19-2

20,028-3 — 7965 — Lcu — 27 I/L

20,028-4 -10 — 7966 — Lcu H — 22 L

20,028-5 -11 — 7967 — Lcu — 57 L/I

20,028-6 -12 — 7968 — Lcu — 28 I/L

20,028-7 -13 — 7969 — Lcu H — 67 H

20028-8 -14 — 7970 H — Lcu — 16 I

20,028-9 -15 — 7971 — Lcu H — 41 I/L

20,028-10 -16 — 7972 — Lcu H — 87 H

11

(F7)

7973	B6115A1-17, B5464A2-5-5-5 x B563A1A1-2			20,028-11
			82	H/L
7974	-18			20,028-12
			26	I/L
7975	-19			20,028-13
			90	H
7976	-20			20,029-1
			41	I/L
7977	-21			20,029-2
			29	L
7978	-22			20,029-3
			49	I/L
7979	-23			20,029-4
			38	I/H
7980	B55-8513, Irrad CP231 (DW) Parent			Check 7917

(3)

B6115A1-24, B5464A2-5-5-5 x B563A1-19-2

20029-5 7981

38 L

-25,

20029-6 7982

19 L

-26,

20029-7 7983

35 I

-27,

20029-8 7984

31 I/L

-28,

20029-9 7985

40 I

-29,

20029-10 7986

39 H

-30,

20030-1 7987

79 H

-31,

20030-2 7988

88 H

(F3)

7989	B6115A1-32, B5464A2-5-5-5x B5631-19-2			20,030-3
			34	I/L
7990	-33,			20,030-4
			14	I/L
7991	-34,			20,030-5
			29	I
7992	-35,			20,030-6
			30	I/L
7993	B6115A2-1,			20031-1
			24	L
7994	-2,			20031-2
			39	I
7995	-3,			20031-3
			27	I
7996	-4,			20.031-4
			41	I/L

(F3)

B6115A2-5, B5464A2-5-5-5 x B563A1-19-2

20,031-5 7997

32 H/a/c

-6

20,032-1 7998

29 I/L

-7

20,032-2 7999
I

40 L

X157-3-14, Irrad. 8815.0 (DW) Parent
Check 8000
7930

31 I

I = Intermediate Dwarf

(F3)

8001	B6115A2-8, B5469A2-5-55 x B5463A1-19-2 Panicles on numbers from 8001-8208		20,032-3 58 H
8002	-9		20,032-4 I 22 I/L
8003	-10		20,032-5 I 47 I/L
8004	-11		20,032-6 37 H
8005	-12		20,032-7 I 33 I/H
8006	-13		20,032-8 I 29 I/L
8007	-14		20,033-1 35 I/H
8008	-15		20033-2 29 I/H

(F3)

B6115A2-16, 20033-3 I	35 I/L	3009
-17, 20033-4 I	39 I/H	8010
-18, 20033-5	38 I/L	8011
-19, 20033-6 I	81 H	8012
-20, 20033-7 I	75 I/L	8013
-21, 20033-8	39 I/H	8014
-22, 20033-9 I	76 I/H	8015
-23, 20033-10 I	68 L/H	8016

(F3)

8017 B6115A2-24, B5464A2-5-55x B563A1-19-2
20033-1/
44 F/H

8018 -25,
20033-12
I
56 F/L

8019 -26,
20033-13
40 F/L

8020 B55-8513, Irrad (P231) (Dw) Parent
Chick
7917
75 H

8021 B6115A2-27,
20034-1
I
36 L

8022 -28,
20034-2
I
36 L

8023 -29,
20034-3
I
90 H

8024 -30
20034-4
I
39 I/L

(F3)

B6115A2-31, B5464A2-5-5-5 x B563A1-19-2

20034-5 I — 8025

34 I/L

-32, 20034-6 — 8026

35 I

-33, 20034-7 — 8027

47 I/H

-34, 20034-8 — 8028

70 I/L

-35, 20034-9 — 8029

79 H

-36, 20034-10 — 8030

40 I

-37, 20034-11 — 8031

35 I/L

B6118A4-~~3~~, Irrad. 88ts (dw) x B5464A2-90-1-~~2~~

20039-1 I — 8032

24 I

B6118A, Irrad. BB4-50 (Dw) X (Hybrid X Rel CP 23

F7

8033 B6118A 4-2, Irrad. BB4-50(Dw) x B5464A2-90 4-2
20039-2
I
25 I

8034 -3,
20039-3
I
25 I

8035 -4,
20039-4
I
23 I

8036 -5,
20039-5
I
25 I

8037 -6,
20039-6
I
25 I

8038 -7,
20039-7
I
23 I

8039 -8,
20041-1
I
24 I

8040 X157-3-4, Irrad BB4-50(Dw) Parent Check 7930
8-14
26 I

F3

B6118A4-9, Irrad. BBt5a(Dw) x B5464A2-90-1-2

20041-2 I 8-14 — 21 I — 8041

-10, 20041-3 I 8-16 — 19 I — 8042

-11, 20041-4 I 8-19 — 20 I — 8043

-12, 20041-5 I 8-M — 23 I — 8044

-13, 20041-6 I 8-16 — 21 I — 8045

-14, 20042-1 I 8- — 17 I — 8046

-15, 20042-2 I — 20 I — 8047

-16, 20042-3 I — 17 I — 8048

B6128A, IAR B08-50(DW) X (CP231Z-18-1 X B64-30)

(F3)

B6128A1-1, Irrad. 88Y50(DW) X B563A1-19-2

8049			27	20045-1 I / I
8050	-2,		29	20045-2 I / I
8051	-3,		47	20045-3 / I
8052	-4,		27	20046-1 / I
8053	-5,		83	20046-2 / H
8054	-6,		46	20046-3 I / H
8055	-7,		88	20047-1 / H
8056	-8,		52	20047-2 / H

(F3)

B6128A1-9, Irrad. BBTSO(Dw) x B563A1-19-2
20048-1 8057

42 I/H

-10,
20048-2 8058

41 H

B6128A3-1,
20049-1 8059

26 I

B52-8213, Irrad. C8231(Dw) Parent
Check 8060
7917

72 H

B6128A3-2,
20049-2 8061

25 I

-3,
20049-3 8062
I

20 I

-4,
20049-4 8063
I

48 I/H

-5,
20049-5 8064

52 I/H

(F3)

8065	B6128A3-6, Irrad BBI so(Dw) x B563A1-19-2		20049-6
		81	H
8066	-7,		20049-7
		22	I
8067	-8,		20049-8
		37	I/H
8068	-9,		20049-9
		47	I/H
8069	-10,		20049-10
		52	H
8070	-11,		20049-11
		70	H
8071	-12,		20049-12
		31	I
8072	-13,		20049-13
		25	I

(F3)

B6128A3-14, Irrad 88tsc(Dw) x B563A1-19-2

20049-14 8073

90 H

-15

20049-15 8074

90 H

-16

20050-1 8075
I

28 I

-17

20050-2 8076

33 I

-18

20050-3 8077
I

82 H

-19

20050-4 8078
I

26 I

-20

20050-5 8079
I.

21 I

X1578-4 ~~1-15~~, Irrad 88tsc(Dw) Parent
Check 8080
7930

23 I

(F3) 8081	B6128A3-21, Irrad. BBA50(Dw) xBS63A1-19-2			20050-6 I
			25	I
8082	-22,			20050-7 I
			39	I/H
8083	-23,			20050-8 I
			35	I/H
8084	-24,			20050-9
			76	H
8085	-25,			20050-10
			33	I
8086	-26,			20050-11
			32	I
8087	-27,			20050-12
			45	I/H
8088	-28,			20050-13
			64	H

(F3)

B6128A3-29, Irrad. BB4so(Dw) x BS63A1-19-2

20050-14 8089

88 H

-30,

20050-15 8090

39 I/H

-31,

20050-16 8091

43 I/H

-32,

20050-17 8092

40 H

-33,

20051-1 8093
I

24 I

-34,

20051-2 8094
I

39 H

-35,

20051-3 8095
I

28 I

-36,

20051-4 8096
I

25 I

(F2) 8097	B6128A3-37, Irrad BB1-52(Dw) x B5634-19-2			20051-5 I
			81	H/I
8098	-38,			20051-6 I
			46	H
8099	-39			20051-7
			86	H
8100	B55-8513, Irrad (P23)(Dw)			Parent Check 7917.
			78	H

F3)

B6128A2-40, Irrad. BBTSA(Dw) x B563A1-19-2

20051-8 8101

69 H

-41,

20051-9 8102

84 H

-42,

20051-10 8103

40 I/H

-43,

20051-11 8104

47 H

-44,

20051-12 8105

41 H

-45,

20051-13 8106

42 H

-46,

20051-14 8107

46 I

-47,

20051-15 8108

47 H

(F3) B6128A3-48, Irrad. BBt50(Dw) x B563A1-19-2

8109		41	20051-16 I/H
8110	-49,	43	20051-17 H
8111	-50,	19	20052-1 I I
8112	-51,	20	20052-2 I I
8113	-52,	59	20052-3 H
8114	-53,	50	20052-4 H
8115	-54,	43	20052-5 I/H
8116	-55,	37	20052-6 I/H

(13)
B6128A3-56, Triad. BB750(Dw) x B563A1-19-2
20052-7 8117

24 I

-57,
20052-8 8118

28 H

-58,
20052-9 8119

29 H

X-1573-4, Triad BB750(Dw) Parent.
Check 8120
7930

20 I

B6128A3-59,
20052-10 8121

40 I/H

-60,
20052-11 8122

37 H

-61,
20052-12 8123

33 H

-62,
20053-1 8124
I

43 H

(F3)

8125 B6128A3-63, Irrad. BB750(Dw)xB563A1-14-2
20053-2
I
44 H

8126 -64,
20053-3
I
77 H

8127 -65,
20053-4
79 H

8128 -66,
20053-5
34 I/H

8129 -67,
20053-6
26 I

8130 -68,
20054-1
I
32 H

8131 -69,
20054-2
I
26 I

8132 -70,
20054-3
I
79 H

(F3)

B6128A2-71, Irrad. BBtsa(Dw) x B563A1-19-2)

20054-4 8133

33 I/H

-72,

20054-5 8134

26 H

-73,

20054-6 8135

29 I

-74,

20054-7 8136

28 I

B6126A1-1, B5467A2-90-1-3x B563A1-19-2

20056-1 8137

I

24 I

-2,

20056-2 8138

I

29 I

-3,

20056-3 8139

73 H

B55-8513, Irrad CP231 (Dw) parent

Check 8140

7917.

63 H

B6126A, (HyBMix × Rel(CP231)) × (CP231 × IF-1 × B65-

(F3)

8141	B6126A1-4, B5464A2-90-1-3 × B563A1-19-2		20056-4	
		25	I	
8142	-5,		20056-5	
		29	I	
8143	-6,		20056-6	
		38	H	
8144	-7,		20056-7	
		23	I	
8145	-8,		20056-8	
		17	I	
8146	-9,		20056-9	
		19	I	
8147	-10,		20057-1	
			I	
		25	I	
8148	-11,		20057-2	
		28	I	

(F3) 6126
B5626A1-12, B5464A2-90-1-3 x B563A1-19-2

20057-3 8149
71 H

-13,
20057-4 8150
68 H

-14,
20058-1 8151
I
33 I/H

-15,
20058-2 8152
I
22 I

-16,
20058-3 8153
19 I

-17,
20059-1 8154
I
28 I

-18,
20059-2 8155
I
63 H

-19,
20059-3 8156
I
22 I

(F3)

8157	B6126A1-20, B5464A2-90-1-3 x B863A1-19-2			20059-4 I
			21	I
8158	-21,			20059-5 I
			29	I
8159	-22,			20059-6
			28	I
8160	X-157-3-4 Irrad B6126 (DW) parent check 7930			
			22	I
8161	B6126A1-23,			20059-7
			20	I
8162	-24,			20059-8
			03	I/H
8163	-25,			20059-9
			32	I
8164	B6126A2-1			20060-1 I
			63	H

(F3)

B6126A2-2, B5464A2-90-1-3×B563A1-M-2

20060-2 I — 8165

69 H

-3, 20060-3 I — 8166

61 H

-4, 20060-4 I — 8167

67 H

-5, 20060-5 — 8168

65 H

-6, 20060-6 — 8169

71 H

-7, 20060-7 — 8170

65 H

-8, 20060-8 — 8171

70 H

-9, 20061-1 I — 8172

76 H

(F3)

8173 B6126A2-10, B5464A2-90-1-3 × B563A1-19-20061-2 I

73 H

8174 -11, 20061-3 I

65 H

8175 -12, 20061-4

77 H

8176 -13, 20061-5

82 H

8177 -14, 20061-6

75 H

8178 -15, 20061-7

75 H

8179 -16 20061-8

73 H

8180 B55-8513, Irad (P23)(DW) Parent Clock 7917

76 H

(5)

B6126A2-17, B5464A2-90-1-3 x B563A1-19-2

20061-9 8181

80 H

-18,

20062-1 8182
I

71 H

-19,

20062-2 8183
I

85 H

-20,

20062-3 8184
I

72 H

-21,

20062-4 8185

78 H

-22,

20062-5 8186

79 H

-23,

20062-6 8187

83 H

-24

20062-7 8188

80 H

(F3)

8189	B6126A2-25, B5464A2-90-1-3×B563A1-4-2		20062-8	
		69	H	
8190	-26,		20063-1 I	
		78	H	
8191	-27,		20063-2 I	
		81	H	
8192	-28,		20063-3 I	
		77	H	
8193	-29,		20063-4 I	
		76	H	
8194	-30		20063-5 I	
		75	H	
8195	-31		20063-6 I	
		75	H	
8196	-32		20063-7 I	
		73	H	

B612bA2-33, B5464A2-90-1-3xB563A1-19-2

20063-8
I

8197

76 H

-34,

20063-9

8198

79 H

-35

20063-10

8199

87 H

3-4
I, rad BB(50(DW) parent-type
Check
7930

8200

30 I

(F3)

8201	B6126A2-36, B5464A2-90-1-3			X B563A1-19-2 20063-11
			87	H
8202	B6126A2-37,			20064-1 I
			79	H
8203	-38,			20064-2 I
			80	H
8204	-39,			20064-3 I
			76	H
8205	-40,			20064-4 I
			75	H
8206	-41,			20064-5 I
			76	H
8207	-42,			20064-6
			70	H
8208	-43,			20064-7
			72	H

(A)

B6126A2-44, B5464A2-90-1-3 x B563A1-19-2

20064-8 — 8209

71 H

-45

20064-9 — 8210

77 H

-46

20064-10 — 8211

75 H

-47

20064-11 — 8212

74 H

-48

20065-1 I — 8213

80 H

-49

20065-2 I — 8214

74 H

-50

20065-3 — 8215

76 H

B6121A1, B5464A2-90-1-2 x BBt 50

20067-77 (was Not a cross) — 8216

18 I

B6130A, (CP231 X-18-1 X BBT-50) X
F1 (B589-50/62 X Mexfrom)

(F3)

8217 B6130A1-1, B563A1-19-2 X F1 (B589A8)
20093-1
I
49 H

8218 -2,
20093-2
I
82 H

8219 -3,
20093-3
I
48 H

8220 Irrad CP231(Dw) B55-8513, Parent
Check
7917
66 H

8221 B6130A1-4,
20093-4
I
78 H

8222 -5,
20093-5
I
75 H

8223 -6,
20093-6
I
30 I

8224 -7,
20093-7
77 H

(F3)

B6130A1-8, B563A1-19-2 x F(B389A8)

20093-8 8225

78 H

-9,

20093-9 8226

37 I/H

-10,

20093-10 8227

62 H

-11,

20093-11 8228

76 H

-12,

20093-12 8229

38 I/H

-13,

20094-1 8230
I

49 I/H

-14,

20094-2 8231
I.

26 I/H

-15,

20094-3 8232
I

47 I/H

(F7)

8233	B6130A1-16, B563A1-19-2 x F1 (B589A8)		20094-4 I	
		36	H	
8234	-17,		20094-5	
		72	H	
8235	-18,		20095-1 I	
		70	H	
8236	-19,		20095-2 I	
		73	H	
8237	-20,		20095-3 I	
		70	H	
8238	-21,		20095-4 I	
		35	I/H	
8239	-22,		20095-5 I	
		39	I/H	
8240	X-157-3-4, Irrad. BB750 (Dw)		Parent Check 7930	
		27	I	

(F3)
B6130A1-23, B563A1-19-2 x F.(B589A8)

20095-6 8241

46 I/H

-24,

20095-7 8242

85 H

-25,

20095-8 8243

85 H

-26,

20095-9 8244

83 H

-27,

20095-10 8245

44 I

-28,

20096-1 8246
I

35 I

-29,

20096-2 8247
I.

51 I/H

-30,

20096-3 8248
I

50 I/H

(F3)

8249	B6130A1-31, B563A1-19-2x F1 (B589A8)			20096-4 I
			50	I/H
8250	-32,			20096-5
			57	H
8251	-33,			20096-6
			43	H
8252	-34,			20096-7
			63	H
8253	-35,			20096-8
			35	
8254	-36,			20096-9
			51	H
8255	-37,			20096-10
			64	H
8256	-38,			20096-11
			54	H

(F3)

B6130A1-39, B563A1-192 x F1 (B589A8)

20096-12 8257

58 H

-40,

20096-13 8258

38 I/H

-41,

20096-14 8259

56 H

B59-8513, Irrad (P231(DW) Parent

Check 8260

7917

76 H

B6130A1-42,

20097-1 8261

I

46

-43,

20097-2 8262

I

87

-44,

20097-3 8263

I

49

-45,

20097-4 8264

31

(F3)

8265	B6130A1-46, B563A1-19-2 x F1			(B589A8) 20097-5
			87	H
8266	-47,			20097-6
			30	I
8267	-48,			20098-1 I
			48	H
8268	-49,			20098-2 I
			53	I/H
8269	-50,			20098-3 I
			26	I
8270	-51,			20098-4
			29	I
8271	-52,			20098-5
			86	H
8272	-53,			20098-6
			51	H

(F3)
B6130A1-54, B563AX-19-2 x F1(B58AA8)
20098-7 8273
70
-55,
20098-8 8274
87
-56,
20098-9 8275
85 H
-57,
20099-1 8276
I
35 1/H
-58,
20099-2 8277
I
29 I
-59,
20099-3 8278
89
-60,
20099-4 8279
49 H
X-157-3-4, Irrad. BB750(Dn) Parent 8280
Check
7930.
26 I

(F3)

8281 B6130A1-61, B563A1-A-2 x F1 (B589A8)
20099-5
43 H

-62,
8282
20099-6
52

-63,
8283
20099-7
53

-64,
8284
20099-8
38 H

-65,
8285
20099-9
54 H

-66
8286
20100-1
I
62 H

-67,
8287
20100-2
83 H

-68,
8288
20100-3
65 H

(F2)
B6130A1-69, B563A1-19-2 x F1 (858948)

20100-4 8289
43 I/H

-70,
20100-5 8290
27 I

-71,
20100-6 8291
47 H

-72,
20100-7 8292
52 H

-73,
20100-8 8293
85 H

-74,
20100-9 8294
34 I/H
"

B6130A2-1,
20101-1 8295
I
35 I/H

-2,
20101-2 8296
54 H

(F3)

8297 B6130A2-3, B563A1-19-2 x F1 (B589A8) 20101-3

58 I/H

8298 -4, 20101-4

89 H

8299 -5, 20101-5

45 I/H

8300 B55-8513, Irrad. CP231 (DW) Parent Check 7917

82 H

(F3)

B6130A2-6, B563A1-19-2 x F1 (B589A8)

20101-6 8301

53 I/H

-7,

20102-1 8302
I

43 I

-8,

20102-2 8303
I

32 I

-9,

20102-3 8304
I

40 I

-10,

20102-4 8305

87 H

-11,

20102-5 8306

39 I

-12,

20102-6 8307

39 I

-13,

20102-7 8308

45 I

Panicle rows of Mochi Gomi are from 1962 rows 8549 to 84.
(The source of the 1962 crop was Calif 60-4606-10)

8309 Mochi Gomi

Hv. all 8309 - 8400

8310

8311

8312

8313

8314

8315

8316

Mochi Gomi

8317

8318

8319

8320

8321

8322

8323

8324

8325	Mochi Gome
8326	"
8327	"
8328	"
8329	"
8330	"
8331	"
8332	"

		Mochi Doni				8333
		"				8334
		"				8335
		"				8336
		"				8337
		"				8338
		"				8339
		"				8340

8341	Mochi Goni			
8342	"			
8343	"			
8344	"			
8345	"			
8346	"			
8347	"			
8348	"			

Mochi Domi

8349

8350

8351

8352

8353

8354

8355

8356

8357	Mocki Domé			
8358	"			
8359	"			
8360	"			
8361	"			
8362	"			
8363	"			
8364	"			

Mochi Soni	8365
✓	8366
✓	8367
✓	8368
✓	8369
✓	8370
✓	8371
✓	8372

8373	Mochi Gomi			
8374	〃			
8375	〃			
8376	〃			
8377	〃			
8378	〃			
8379	〃			
8380	〃			

Mochi Soni	8381
✓	8382
✓	8383
✓	8384
✓	8385
✓	8386
✓	8387
✓	8388

8389	Mochi Gomi			
8390	〃			
8391	〃			
8392	〃			
8393	〃			
8394	〃			
8395	〃			
8396	〃			

Mochi Gomi		8397
〃		8398
〃		8399
〃		8400

Crowley · Mary
1931 ~ 55

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AGRICULTURAL RESEARCH SERVICE
Crops Research Division

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136 - 170
101 - 35
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401 - 435
336 - 370
301 - 335
736 - 770
701 - 735
636 - 670
601 - 635

SCALE FOR ESTIMATING RUST

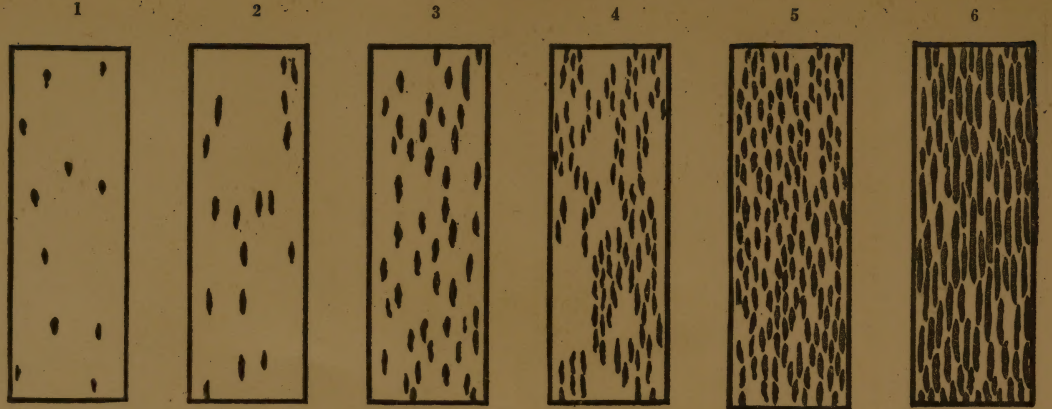

Diagram showing six degrees of rustiness, which may be used in estimating the percentage of rust infection on leaf or stem. The shaded spots represent rust, and the figures represent approximately the rust percentages computed on the basis of the maximum amount of surface covered by rust as shown in the 100% figure. This figure (No. 6 in the diagram) represents 37% of actual surface and is arbitrarily selected as 100%. Other percentages are in terms of No. 6.

This scale is easy of application. A number of leaves are gathered from the row or plot at random, and a number of plants carefully examined for stem rust; these are compared with the diagrams and the proper figures recorded in the notebook.

The plus or minus sign may be used to indicate a slightly greater or less amount of rust than the nearest figure.

While these figures may not express accurately the actual surface of host tissue rusted, they do provide a usable systematic method for recording rust infection, and will more intelligibly represent the facts than will figures showing resistance percentages or infection percentages on the 50% (maximum) basis.

Missing Numbers

A series

501

503-524

583

871

946

955

961

962

973

975

991

721

1024

1034

1041

1044

(No yield No's
501 - 535 A+B series
yield on 530, 531, 532, 533,
534, 535, B series
(No yield 542)

No yield No's
571 — 595 A series
575 B series
599 - A series
600 - 604 A series
618, 644 B, 645 B, 646 A+B,
647 A, 648 A+B, 649 A, 674,
718, , 734, 779,
950 - 953
960
970
971
972
974
978
979

Mid-Season

ow.: 5-9	Sd, order	DATES HEADING 1ST	 FULL	 FULL RIPE	PL H (
501 ~~*~~	B589A2-4-3-1, 101	8-8			4
	BBt50/2 x Gulfrose 251	8-9			4
~~A~~ SNP	(3382) ME/I/I/MT	CHALK STREAKS 8-9			47
502	B589A3-82-1-2BK-3 102	8-6			4
	252	8-7			5
A SNP	(4101) MS/I/I-/MT	8-7			48
503	B589A3-82-3-2-7-2, 103	8-8			5
~~A~~	253	8-8			5
SNP	(4109) MS/ML/MW/T	8-8			52
504	B589A3-82-3-2-BK-1, 104	8-7			4
	254	8-8			4
SNP	(4114) MS/MW/ML/T	8-8			45
505	B589A4-11-2-3, 105	8-15	8-22		5
	255				5
	(3470) ME/MW/ML/MT	8-15			50
506	B589A4-41-3-1-7-3, 106	8-16	8-22		4
	256				
SNP	(4228) ME/ML/MW/T	8-16			49
507	B589A4-23-1-1-7-2, 107	8-8			5
	257				5
	(4578) ME/I/MW/VT	8-8			57
508	B589A4-70-2-2BK-1(08)	8-11			4
	258				4
SNP	(4235) ME-E/I/MW/MT =	8-11			45

Leaves are shorter & more erect than others

Sl. = Slender

L = LONG ML = MED. LONG
M = MED LM = LONG MED
S = SHORT ETC.

1

Blast	Sh Ht	2nd Walk	Burrel			GRAIN LENGTH
R1 / R-L	/ HB	62 / 63	62 / 63			
(VS) / (R)	(MR) / (1) R (Sh)	(16) I				L
		MILLING HEAD 33.1	YIELD TOTAL 60.7			
(S*) / (R)	(R) / (Sh) (2) R	23-I				L
		40.2	64.2			
(S*) / (RLS)	(MS) / (0)	(18)-I				L
		25.3	57.4			
(S*) / (RLS)	(MS) / (0) R	16-I	35.			L
		25.4	58.6			
(S) / (SVR)	(R) / (0)	16-I	34			L
		24.0	65.8			
/	(R) ? / 0	10 (I)				L
		29.3	64.6			
	(MR) / (1) R	20-I				L
		41.3	62.2			
(S*) / (R)	(MR) / (R) R	8-I				ML
		30.6	70.2			

DATES

		HEADING 1ST	FULL	RIPE	
	B589A4-82-3-1 109	8-14	8-20		
509	BB150½ x Golfrose 259				4
SNP	(3508) MS/ML/MW/MT	8-14			49
	B589A4-82-6-2-7-2, 110	8-12			
510	260				4
SNP	(4253) ME/I/I/MT	8-12			46
	B589A4-70-1-2-4, 111	8-14	8-21		
511	261				4
SNP	(4825) ME/I/MW/MT	8-14			47
	B589A4-70-2-2-1, 112	8-11			
512	262				4
SNP	(4830) ME/I/MW/I+	8-11			46
	B589A4-89-3-1-2, 113	8-13			
513	263	8-13			5
SNP	(4841) MS-S/ML/I/T	8-13			51
	B589A4-89-3-1-7-1, 114	8-15	8-23		
514	264	8-16			
	(4258) MS/ML/I/T	8-16			
	B589A4-89-3-3BK-3 115	8-15	8-22		
515	265	8-15			
	(4270)	8-15			
	B589A9-36-4-1-7-1, 114	8-15	8-22		
516	266	8-15			
SNP	(4433) S/L+/I+/T	8-15			

Blast	Stand	2nd/alk	Burnt			
R-1 / R-6	HB	62 / 63	62 / 63	Pt Nt.		
(S) (MR)	(1) 38	16-I		49		L
		32.1	63.3			
(S) (MR)	(neg) (1) R	13-I		50		L
		13.5	60.8			
(S*) (R)	(MR) (2) R	11-I		48		ML
		35.0	72.0			
(R*) (R)	(MR) (0)	12-I		47		ML
		28.7	71.4			
	(R) (1) R	12-I		51		L
		28.5	65.6			
(S*) (S+R)	(MR) (1) R	11-I		50		L
		24.9	64.6			
(S*) (S+R)	(R) (0) R	10-I		48		L
		18.3	64.0			
(S*) (R)	(R) (1) R	14-I		48		L
		48.2	67.4			

DATES

		HEADING 1ST	HEADING FULL	FULL RIPE	PLANT HT (IN)
	B589A9-36-2-4-7-3, 117	8-15	8-23		
517	BBt50/2×Galfrose 267	8-19			
SNP	(4432) MS/ML+/I+/T	8-17			
	B589A9-36-1-1-8, 118	8-16	8-23		
518	268	8-19			
SNP	(5109) MS/ML/I+/T	8-18			
	B589A9-36-4-1-8, 119	8-16	8-23		
519	269	8-19			
SNP	(5118) S/ML/I/T	8-18			
	B589A9-36-5-2-2, 120	8-15	8-22		
520	270	8-18			
SNP	(5122) S/ML/I/T	8-17			
	B589A9-2-1-1, 121	8-15	8-22		
521	236				
SNP	(3514) MS/ML/MW/T	8-15			
	B589A18-21-3-2-7-1, 122	8-7			
522	237	8-8			46
SNP	(4455) ME/ML/MW/MT	8-8			46
	B589A18-21-1-2-7-3, 123	8-9			
523	238	8-10			48
SNP	(4451) ME/ML/MW/MT	8-10 (4449 50 on R to HB in Col '63)			48
	B589A18-21-1-4BK-2, 124	8-12			
524	239				48
SNP	(4453) ME/ML/MW/MT+	8-12			48

Blast	Stn Hd	2nd Glch	Guard			
R-1 / R-6	HB	62 / 63	62 / 63			
(S*) / (R)	(R) / (1)	14-I				L
		40.9	66.5		—	
(S*) / (SHS)	(R) / (0) R	20-I				L
		49.1	65.9		—	
(S*) / (MR)	(neg) / (1) R	19-I				L
		48.0	65.6		—	
(S) / (F)	(R) / (2) R	16-I				L
		48.1	67.1		—	
	(MR) / (2) R	25-I	28			L
		44.8	66.2		—	
(S) / (R)	(R) / (0)	19-I				L
		32.7	66.5		—	
(S) / (R)	(R) / (1) Prob R	(4)-I				L
		41.4	67.4		—	
VS / R	(R) / (0) R	16-I				L
		20.8	64.7		—	

		DATES			
		HEADING		FULL	HT
		1ST	FULL	RIPE	(IN
	B589A18-21-2-2-5, 125	8-8			
525	BBtSo/2 x Gultrose 240				46
SNP	(5153)				
	ME/ML/MW/MT	8-8			46
	B589A18-21-1-3 126	8-8			
526	241	8-9			47
SNP					
	(9002)				
	ME/ML/MW/MT	8-9			47
	B589A18-77-1 127	8-9			
527	242				46
SNP					
	(581)				
	MS/ML/I/T	8-9			48
	B589A18-77-3-3 128	8-11			
528	243				51
[illegible]					
	(3678)				
	MS/ML/I/MT	8-11			51
	BLUEBONNET-50	8-15			
529	129				
	244				
	(Fd)				
	ME/ML+/I+/T	8-15			
	B589A19-4-2-1-10 130	8-13			
530	339			9-12	56
SNP					
	(583)				
	MS+/ML/I/T	8-13		9-12 (12)	56
	B589A19-75-3-3 131	8-12			
531	340			9-10	54
Cfw					
	(3729)				
	S/ML/I+/T+	8-12		9-10 (12)	54
	B589A19-75-2-4 132	8-13			
532	341			9-10	54
SNP					
	(3717)				
	S/ML/I/T+	8-13		9-10 (12)	54

Blast	Stain	2nd/alk	Burret			
R-1 R-6	HB	62 63				
(S*) (R)	(R) (2) R	14-I				L
		31.1	66.9			
		17-I			—	L
Agraph = +20						
		36.1	65.0			
	(R) (Beg) S	14			—	L
		39.4	65.4			
	(R) (Beg) S	19-I	29			L
		45.7	66.6		—	
						L
		53.5	69.1		—	
	(R) (Reg) R	14/I		—		L
				866		
		30.4	61.5			
	(R) (2)	22-I		—	3464	L
				1076		
		32.0	66.9			
	(R) (Beg) S	21-I	29.	—	4304	L
				942		
		29.6	65.4			
					3768	

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
	B589A19-4-2-1-9, 133	8-15	8-21		
533	BBt50/2 x Gulfrose 342			9-12	56
	(4472)				
	MS/I/MW/VT	8-15	8-21	9-12 (126)	50
	B589A21-5-5-2BK-7 134	8-14	8-21		
534	343			9-10	51
	(4514)				
	St/I/I/T	8-14	8-21	9-10 (124)	51
	B589A21-28-3-2BK-3, 135	8-12			
535	344			9-10	56
	(4537)				
	MS/I/MW/T			(124)	56
	B56A3-22-2-1, 136	8-8			42
536	IRRAd CP231 DW x Rex.				
SNP	(9056)				
	ME/I/MN/MT				42
	B56A3-38-3-1, 137	8-11			48
537					
	(9067)				
	ME/I/MW/MT				48
	Taipei-Lio Tuo-Zeb 138	7/24			56
538	PI 248,487				
		Lodged, 8-14 HV			
	(9579)				
	E-/I+/E/VT				56
	B563A1-2-2-1 139	8-20			
539	IRRAD CP231 DW x BBt.50				
SNP	(9941)				
	MS/MW/E/I-				
	C.I. 95145 140	8-1			40
540					
	(65)				
	E-/MD/MN/I-				40

Blast	Sh. Hd	Sed. clk	Burst			
R-1 / R-6	HB	62 / 63				
(S*) / (R)	(WR) / (1) R	14-I				L
				887		
		38.7	69.5			
					3548	
(S) / (S+R)	(R) / (2)	12-I				L
				1079		
		41.5	67.8			
					4316	
(S) / (S+R)	(R) / (2) S	18-I				L
				1072		
		55.1	68.1			
					4288	
	(S)	17(I)				L
				913		
		54.4	69.9			
					3652	
	(S)	24(I)				L
				754		
		57.7	69.9			
					3016	
		25-I				S
				1197		
		67.2	72.8			
					4788	
	(R)					L
				596		
		41.5	65.4			
					2384	
	R	18-I				M
				1227		
		55.8	72.0			
					4908	

DATES

		HEADING 1ST	HEADING FULL	FULL RIPE	H (IN
	B563A1-5-1-2, 141	f-6			36
541	FRRad Cp231 Dw x BBt50				
SNP	(9945) Was intermediate bl in 1962				
	S/ML/MN/MT	f-6			36
	B563A1-5-3-4 142	f-7			36
542					
SNP	(9953)				
	S/ML/MN/MT	f-7			36
	B617A4-2-1-2 143				
543	Rex/2 x PI 183,331				
	(2103)	—			
	E/E/N/T (Hungary)				
	B617A4-19-4-2, 144	f-16			
544					
	(2106)				
	ME/E+/I/MT	f-16			
	B617A32-3-2-3, 145				
545					
SNP	(2169)				
	S/ML/MN/T+	—			
	B617A37-5-1-2 146	f-23			
546					
	(2216)				
	VE/ND/MN/MS	f-23			
	B617A46-19-3-3 147	f-19			
547					
SNP	(2227)				
	ME/ML/MW/MT	f-19			
	B617A43-19-1-1 148	—			
548					
	(2238)				
	S/ML/I/MT				

Blast R-1 / R-6	Str Hd / HB	Jod-ack 62 / 63	Burst 62 / 63			
	(R)	25-I		730		L
		29.9	66.4		2920	
	(R)	18-I		676		L
		48.0	68.1		2584	
	(S)	18-I	28	basic		L Sl.
		37.8	64.0		—	
	(MS)	33-I	28	767		L Sl.
		58.5	66.9		3068	
	(MR?)	20-I	29	613		L ~~Sl.~~
		50.1	66.8		2452	
	(MS?)	18-D	32	670		ML
		60.7	68.9		2680	
	(S)	16-I	32	1000		L
		58.4	69.8		4000	
	(S)	20-I	28	600		L Sl.
		54.2	68.3		2400	

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
	B5617A43-27-1-3, 149	8-15	8-22		
549	Rex/2 x PI183,331				
SNP	(2242)				
	MS/ML/I/MT	8/5	8-11		
	B5617A44-4-4-1 150	8-15			
550					
SNP	Segregate (2248)				
	ME/MD/I/T				
	B585A1-5-1-2 151	8-14.5			
551	BB150 x Dima				
SNP	(2279)				
	MS/D/MN/I+				
	B585A1-14-1-3, 152	8-13			
552					
SNP	(2312)				
	MS/I/MN/MT				
	B585A1-28-1-3, 153	8-14	8-22		
553					
SNP	(2325)				
	MS/ML/I/T				
	B585A1-29-1-1, 154	8-21			
554					
SNP	(2326)				
	ME/I/I/T				
	B585A1-29-1-3, 155	—			—
555					
SNP	(2329)				
	MS/ML/I/T				
	B585A1-32-1-1, 156	8-22			—
556					
	(2334)				
	ME/I/I-MN/I				

Blast R-1 / R-6	Str Bd / HB	2nd alk 62 / 63	Burret 62 / 63			
(MR)	9 - I	22	704			L
		43.2	68.9		2816	
(S)	15-I	26	971			L
		56.8	68.2		3884	
(S)	31 - I	25	937			L
		47.4	62.1		3748	
(S)	15 - I	29	909			L
		47.8	62.0		3636	
(S)	26-I	24	747			L
		39.8	65.1		2988	
(S)	(13-I)		902			L
		42.3	66.8		3608	
(S)	27-I	29	739			L
		37.0	60.8		2956	
(S)	63?	23.	755			L
		43.9	64.3		3020	

		DATES			
		HEADING	FULL		PL H IN
		1ST FULL	RIPE		
557	B585A1-33-1-2, 157 BB450 x Dima	8-15			
	(2339) MS/ML/N/I-				
558	B585A1-36-1-3, 158	8-13			
	(2343) ME/ML/MN/MT-				
559	B585A1-41-1-2 159	8-15			
	pr Margin (2350) ME-MS/I/MN/MT				
560	B585A1-46-1-2 160	8-15S			
	Tan pr Margin (2362) MS/ML/MN/MT				
561	B585A1-50-2, 161	8-6S			
	(9929) ME/I/I/T				
562	B585A1-50-1-3, 162	8-6S			
	(2376) MS/ML/MN/T				
563	B585A1-60-1, 163	8-12			
	pr Margin (9931) MS/ML/I/T+				
564	B585A1-65-1-2, 164	8-15	8-22		
	SNP (2419) ME/I+/MN/MS				

Blast R-1 / R-6	Str. Hd HB	Rod-alb 62 / 63	Burret 62 / 63			
	(VS)	22-I	28	805		VL
			Spilled			
		43.2	65.3			
					3220	
	(S)	29-I	27	1150		VL Sl.
		34.5	68.1			
					4600	
	(S)	34-I	30	450		L
		46.6	64.8			
					3400	
	(S)	32-I	25	710		L
		38.2	64.0			
					2840	
	(Veg)	20-I		940		L
		53.6	67.6			
					3760	
	(MS)	21-I	31	755		L
		46.9	69.6			
					3020	
	(Veg)	29		1127		L
		41.5	69.2			
					4508	
	(S)	18-I	29	1005		L
		48.1	68.8			
					4020	

			DATES			PLANT HT. (IN.)
			HEADING 1ST	FULL	RIPE	
	B585A1-79-1-2,	165	8-15	8-23		
565	BBT50 x Dima					
	(2450)					
	MS/ML/I+/VT					
	B585A1-82-1-1,	166	8-22			
566						
	(2456)					
	MS/I/N+/MT+					
	B585A1-94-1-2,	167	8-20			
567						
	(2501)					
	MS/I/I/T-					
	B585A1-23-2-3,	168	8-15			
568						
	(2625)					
	MS/I/I/T+					
	P.I. 215,936	169	8-4			
569						
	(64)					
	ME/D-/I-/I+					
	B585A1-52-1-3,	170	8-23			
570						
	(2644)					
	ME/MD/I+/VT					
	B589A19-97-3-3-4,	201	8-8			44
571	BBT50/2 x Gulfrose	345	8-9		9-8	57
SWP	(5206)					
	MS/I/MW/T+		8-9		9-8 (122)	52
	B589A9-16-1,	202	8-4			47
572		346	8-5		9-8	55
	(571)					
	(short hit, Col '63)		8-5		9-8 (122)	51
	MS/I/I+/TT					

Bloat R-1 / R-6	Sh Hd / HB	Sod-alk 62 / 63	Bicarb 62 / 63			
	(VS)	19-L	28	856		L
		44.7	67.8		3424	
	(S)	19-L	27	773		L
		51.8	69.7		3092	
	(VS)	37-L	27	940		VL
		50.3	67.2		3760	
	(VS) (neg) S	33-7/L		920		L
		46.4	66.4		3680	
	R	43/W		1431		S
		61.8	71.1		5724	
	(S) (S)	33-L	29	784		L
		52.0	61.9		3136	
(S*) (R)	(MR) (2) R	15-D		— 843		L
		36.7	58.7		3372	
	(S) (3) R Sig	75/11		— 1of2		L
		57.6	67.0		4328	

DATES

		HEADING 1ST	HEADING FULL	FULL RIPE	PLA HT (IN.
	B589A30-14-4, 203	f-16			
573	BBt50/2x6ulfrose 347			9-12	54
	(605)				
	MS/I/I+/T+	f-16		9-17 (+6)	54
	B589A30-37-2-2, 204	f-16			
574	348			9-12	53
Extra	(3902)				
	MS/I/I+/T+	f-16		9-12 (26)	53
	B589A9-28-1-38K-2, 205	f-19			
575	349				55
SWP	(4355)				
	MS/I+/W/T+	f-19			55
	B589A9-29-1-2BK-1, 206	f-5			53
576	350	f-5		9-9	57
	ME-MS/ML/W/I+				
	(4383)				
	(short bt, col 163)	f-5		9-9 (23)	55
	B593A21-14, 207	f-5			48
577	Belle x [(P231/3xBBt)/2 351	f-5		9-6	54
	x PI 215,936]				
	(554)	Lt color (B)			
	ME/I+/MW/T	f-5		9-8 (22)	51
	B596A3-3, 208	f-16			
578	BBt50/3x6ulfrose 352			9-13	53
Extra	(5518)				
	ME/I/W/T	f-16		9-13 (27)	53
	B596A4-13-2, 209	f-15			
579	353			9-13	51
Extra	(5604)				
	MS/ML/I+/T	f-15		9-13 (27)	51
	B596A4-15-1, 210				
580	354	f-4		9-6	43
	Rough leaves				
	(2 Rows) (5609)				
	E/D/I/MS	f-4		9-6 (29)	43

Bloat R-1 / R-6	Str Hd HB	2nd talk 62 / 63	Burnt 62 / 63			
	(neg) (neg)	15-L		— 746		L
		55.1	64.2		2984	
	(S) (0) neg	22-I	35.	— 1022		L
		58.3	65.9		4088	
(S*) (R)	(R) (0) R	20-I		— —		L
		45.5	64.5		—	
(S*) (R)	(MR) (1) R	(35-I)		— 1153		L
		59.4	67.8		4612	
		10/4		— 1346		L
		57.7	69.8		5386	
(S) (R)	(R) (0)	12-I		— 1022		L
		51.5	66.4		4088	
	(R) (1) 4	25-I		— 1051		L
		56.0	67.6		4204	
(VS) (SHR)	(MS) (2) 3	23-I		— 1390		SM
		68.6	72.9		5560	

			DATES			PLAN
			HEADING		FULL	HT.
			1ST	FULL	RIPE	(IN.)
	B596A5-9-3,	211	8-15	8-24	9-13	53
581	PI 50/3 x Gu [Frose 355					
	ME/I-/w/T+					
	(5669)					
	(862-5670 = S(3) to H B, Co 163)				9-13 (29)	53
	B596A3-3,	212	8-18			52
582		356				
SNP						
	(610)					
	ME/I/w/MT					52
	MILBUEN No. 2	213	8-14			
583	P.I. 260,660	357			9-13	56
	(614)					
	ME/I/I/T				9-13 (127)	
	CI9402 Natl Cross (214)					53
584		358	8-9		9-11	51
Other						
	(680)					
	ME/I/I+/T				9-11 (125)	52
	CI9402, Natl,	215				54
585	Cross	424	8-8			
Other						
	(719)					
						54
	CI9402, Natl	216	8-9			50
586	Cross	360			9-10	47
SNP						
	(8078)					
	ME/I/I+/I				9-10 (124)	49
	CI9402 Natl	217				54
587	Cross	361	8-9		9-10	50
SNP						
	(8084)					
	E/I+/I+/T				9-10 (124)	52
	CI9402, Natl	218	8-10			52
588	Cross	362			9-8	51
SNP						
	(8108)					
	ME/I+/I/T				9-8 (122)	52

Blast	Str Hd	2nd/alk Sinret				
R-1 / R-6	HB	62 / 63				
5) / 5+R 3)	(MS?) (1)	14-I		1018		L
		53.4	64.9		4072	
R	(R) R	15/I		1014		L
		43.5	67.8		4056	
		18-I	30	1020		L
		27.3	68.6		4080	
R		14/I		1426		L
		61.5	68.9		5704	
		14 I	40	1450		L
		62.6	69.4		5900	
R		12-I		1343		L
		57.9	68.6		5372	
R		9-I		1304		L
		59.6	68.9		5216	
R		20 I		1323		L
		61.1	68.3		5292	

DATES

		HEADING 1ST	FUL	RIPE	
	CI9402, Nall 2A				
589	Cross 363	8-9		9-10	
UYN	(8111)				
	E/MD/I/T-				
	B579A2-45-7-10-3, 220	8-11			
590	BBt50 x Gulfrose364			9-7	
SNP	(5435)				
	MS/I-/MW/MS				
	B579A2-11-3-4P-3P (221)	7/28S			
591	365	8-1		9-6	
Ettw	(9813)				
	ME/I-/W/T		7-30	9-6 (120)	
	B579A3-5-6-6P-2P (222)	8-7			
592	366	8-6		9-5	
SNP	(9910)				
	ME/I/MW-/I-		8-7		
	CI9545 223	8-1			
593	367	8-1		9-3	
	(65)				
	E/D/MN+/S		8-1	9-3 (117)	
	B57XA1-43-2-1-2 (224)	8-12			
594	PI215,936 x [CP231 x 368 (Hillsel x BBT)]			9-12	
Ettw	(5845)				
	ME/ML/I/I+			9-12 (126)	
	B572A3-47-2-2-1, (225)	8-5			
595	PI215,936 x 369 CI9214	8-6		9-7	
Ettw	(6016)				
	E/D-/MN/I		8-6	9-7 (121)	
	B572A3-47-11-2-1, (226)	8-8			
596	370			9-11	
UYN	(6048)				
	E-/MD/MN/I			9-11 (125)	

Blast R-1 R-6	Str Ht HB	2nd-alk 62 63	Burst 62 63			
	(R)	29-I		1423		L
		60.9	69.0		5692	
S) (R)	(R) (D) R	19-I		845		L
		41.4	60.7		3380	
	(R)	10-I		1045		L
		62.1	69.4		4480	
	(R)	42-(L)		1285		L
		63.1	70.2		5140	
		18/L		1223		M
		57.1	73.3		4892	
S+R) (S)	(R) S	24-I		1349		L
		62.0	69.1		5396	
S+R) (S/3+R)	(R) (1) R	22-I		1430		L
		60.8	69.4		5720	
R) (S+R)	(R) (R) Prd R	(9)-I		1430 1568 2998		L
		58.6	68.5		5996	

DATES

		HEADING 1ST FULL	RIPE	PLANT HT. (IN.)
597	B572A3-47-13-3, (227) PI215936 x CI9214 (436) SNP (6056)	8-8 8-9 8-9	9-10 9-10 (124)	45 43 44
598	B572A3-47-15-1-2, (228) 437 SNP (6062)	8-8 8-9 8-9	9-12 9-12 (126)	45 46 46
599	B593A10-27-1 229 Belle x [(CP23½ x BBt)½ x PI215,936 (6584) ME/ML/I	7/10 S 438 8-2 8-2	9-5 9-5 (118)	54 55 55
600	B572A3-47-2-2P, 230 Pr. 215936 x CI9214 439 (8864) V good plant ht BBt 50, V good gr size	8-6 8-6 8-6	9-9 9-9 (123)	44 47 46
601	B572A3-47-2-5P, 231 440 SNP (8868)	8-8 8-9 8-9	9-5 9-5 (119)	45 48 47
602	B572A3-47-6-2P, 232 441 SNP (8901) excellent grain dimensions	8-8 8-9 8-9	9-9 9-9 (23)	45 48 47
603	B572A3-47-24P-2P, (233) 442 SNP (9781)	8-8 8-7 8-8	9-6 9-6 (120)	50 48 49
604	B515A1-55-2-1-4-2, (234) CP231 x PI-184,812 (443) SNP (7944)	8-9 8-8 8-9	9-7 9-7 (121)	49 51 50

Blast R-1 / R-6	Shield HB	2nd alk 62 / 63	Burst 62 / 63			
(R) (S+R)	(R) (O) R	14-I		1277 1292 2569		L
		52.0	69.4		5138	
(R) (S+R)	(R) (R?) R	15-I		1442 1368 2810		L
		48.2	68.6		5620	
		7-I		—		L
				1505		
		34.1	70.6		6020	
		14-D		—		L
				1501		
		61.4	70.3		6004	
	(R)	-I		—		L
				1478		
		58.2	69.2		5912	
	(R)	20-I		—		L
				1397		
		58.9	70.5		5588	
	(R)	14-I		—		L
				1496		
		45.5	69.9		5984	
	(VS)	(7-I)		—		L
				1249		
		56.0	65.9		4996	

		DATES HEADING 1ST	FULL	RIPE	PLA HT ON.
605	Giza - 14 235 PI 233,879 444 (9584)	8-8 8-8 * bad for rust lip		9-9	44 58 47
~~605~~ 521-B	DS 9A7-2-1-1, BB150 2x6 (3514)	236 7121	8-15	1-	
~~606~~ 522-B	(578)	237 122			
~~607~~ 523-B	(4451) (2 Row)	238 123			
~~608~~ 524-B	(4453)	239 124			
~~609~~ 525-B	(5153)	240 125			
~~610~~ 526-B	(9002)	241 126			
~~611~~ 527-B	(581)	242 127			

Bluet		Str HA	2nd alk	Burnt			
R-1	R-6	HB	62 63	62 63			
					1574 1167 2681		M
			62.6	69.9		5362	
		(MR) (2)	25-I	28			
		(R) (Seq)	17/I				
(S) (R)		(R) (O)	(14)-I				
(S) (R)		(R) (O)	16-I				
(S*) (R)		(R) (2)	14-I				
			17-I				
		(R) (Seq)	14/4				

DATES

		HEADING 1ST FULL	FULL RIPE	HT. (IN.
~~UNK~~ 528-B	243 ~~243~~ 128 (3678)			
~~UNK~~ 529-B	BLUEBONNET-50 244 w/29 (F0.)	8-14		
615	B585A1-53-1-1, 245 B8150 x Dima (2648)	8-21		
616 SNP	B585A1-57-3-1 BK-3 246 (2655)	8-15		
617 SNP	B585A1-15-3-2, 247 (2668)	8-15		
618 SNP	B583A1-21-2-2, 248 CP231 x Dima (2765)	8-22		
619 SNP	B583A1-26-3-1 (249) (2783)	8-22		
620 SNP	B583A1-29-1-3 (250) (2810)	8-20		

	(S) (S)	30-I	35	783		L
		59.6	68.8		3132	
	S (S)-S(2)	27	31	1108		L
		36.0	69.6		4432	
	(2) push R	15-D	28	1240		L
		29.6	64.1		4960	
	(V.S.)	15-D	33	cut		L
		16.5	56.9		—	
		36-D	32	929		L
		54.6	65.6		3716	
	(S)	26-I		845		L
		44.0	63.2		3380	

		DATES		
		HEADING	FULL	PL H ON
		1ST FULL	RIPE	
[redacted] 501 B	251 101 (3382)			
[redacted] 502 B	252 102 (4101)			
[redacted] 503 B	253 103 (4109)			
[redacted] 504 B	254 104 (4114)			
[redacted] 505 B	255 105 (3470)			
[redacted] 506 B	256 106 (4228)			
[redacted] 507 B	257 107 (4578)			
[redacted] 508 B	258 108 (4235)			

Blast		Str. Rd		Ind. alb		Rivet	
R-1	R-6	HB		62	63	62	63
		(HR) (1)		(6J)			
(5*) (R)		(R) (2)					

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
[redacted] 509 B	259 109 (3508)				
[redacted] 510 B	260 110 (4253)				
[redacted] 511 B	261 111 (4825)				
[redacted] 512 B	262 112 (4830)				
[redacted] 513B	263 113 (4841)				
[redacted] 514B	264 114 (4258)				
[redacted] 515B	265 115 (4270)				
516 B [redacted]	266 116 (4433)				

Mid Season
Sown 5-9

		DATES HEADING 1ST	DATES HEADING FULL	DATES TILL RIPE	
[redacted] 517 B	267 117 (4432)				
[redacted] 518 - B	268 118 (5109)				
[redacted] 519 - B	269 119 (5118)				
[redacted] 520 - B	270 120 (5122)				
641 SNP	P115-2P-2P-6P (301) BB450 x P105 (445 (9684) ME/MD/I/MS	8-9 Blanketing 8/9		9-10 9-14 9-12	(126)
642	B585A1-23-5-1 (302) BB450 x DIMA 446 (830) E/D/I/MT	9-10 9-11 9-11		—	
643 SNP	B5617A43-3-3-2, 303 Rex/2x PI183,331 447 (2235) E/MD/I+/MS	8-13 8-13		9-12 9-10 9-11	(125)
644	B585A1-15-3-2, 304 BB450 x DIMA 448 (2623) (Short hs, c.l, '63) E/MD/I+/T	8-14 8-14		9-12 9-13 9-13	(122)

Blood R-1 / R-6	Str. Hd HB	2nd/alk 62 / 63	Biuret			
	(R)	25-I		1200 990 2190		L
		51.9	66.4		4380	
	(MS)	23/I	28	684 744 1428		L
		54.0	69.3		2856	
	(S)	15-I	26	1346 1355 2701		L
		56.6	69.8		5402	
	(S) (R) R	14-I	27	1252 ox		L
		46.2	65.0		5008	

		DATES		PLAN
		HEADING	FULL	HT.
		1ST FULL	RIPE	(IN.)
645	B5111A1-163-1-1, 305 CP231 x 449 Zayas Bazan (807) ME/I/MW/MT	8-15 8-15 8-15	9-14 9-14 (128)	56 56 56
646	B585A1-44-1-3 306 BBtso x Dima (450 Zayas Bazan (2357) long MS/ML/I+/VT	8-19 8-20 8-20 Blanket dry, 8/9		59 60 60
647	B585A1-60-3, 307 451 (9933) E/MD/I+/VT	8-15 8-14 8-15		60 59 60
648	B585A1-61-1-2, 308 452 (2402) E/I/MW/T	8-21 8-20 8-21		58 57 58
649	B585A1-71-1-3, 309 453 (2435) MS/I/MW/T	8-13 8-11 8-12	9-12 9-12 (126)	58 57 58
650 SNP	B585A1-78-1-1, 310 454 (2441) ME/MD/MW/T	8-9 8-10 8-10	9-8 9-10 9-9 (123)	55 55 55
651	B585A1-84-1-3, 311 455 (2466) E/MD/I/VT	8-17 8-16 8-17	—	58 56 57
652	B585A1-93-1, 312 456 (2481) S/I/MW/T	8-20 8-20 8-20 Blanket up drop 10 on 8/9	—	51 44 48

Blood		Sed/ack	Blood			
R-6 / R-6	Sta Hd / HB	62 / 63	62 / 63			
(MR) / S. 3	20/I	33	990		L
	59.8	67.9		3960	
(S)	22-I	22	air		L Sl.
	34.3	69.0			
(eos)	34-I		490		L
	31.8	69.2		1960	
(VS)	20-I	29	air		L
	23.4	62.2			
(VS)	30-I	28	778		L
	48.2	61.4		3112	
(S)	23-I	30	837 674 1511		L
	45.5	62.2		3022	
(S)	28-I	30	1279 1104 2383		L
	44.9	66.6		4766	
(VS)	27-I	27	827 711 1538		L
	33.0	67.4		3076	

		DATES HEADING 1ST	FULL	FULL RIPE	P
	B585A1-1-2-3 313				
653	BBY50 x Dima 457	8-9		9-11	
SNP	(2621) E/I/MW/T		8-9		
	B585A1-23-2-3BK-1 314	8-13		9-11	
654	458	8-13			
SNP	(2628) E/MD/MW/MT		8-13		
	B585A1-61-1-3BK 315	8-15			
655	459	8-14			
SNP	(2661) E/D/N/MT		8-15		
	B585A1-15-3-2 316	8-16			
656	460	8-15			
SNP	ME/I/I/MT (2665) (Short ht, Col, 63)		8-16		
	PI. 215,936 (317)	8-3		9-6	
657	461	8-4			
	(64) E/D/I+/M		8-4		
	B585A1-71-3 318	8-13			
658	462	8-13		9-13	
	(2909) VE/MD/MN/T		8-13		
	B583A1-16-1-2BK-2 319	8-20			
659	CP231 x Dima 463	8-21			
	(2935) E/I+/MN/VT		8-21		
	B589A2-10-3-1, 320	8-15		9-8	
660	BBY50/2 x Gulfros				
	(8916) E/I/MW/MT		8-15		

Blast R-1 / R-6	Str. H. H.B.	2nd. alt. 62 / 63	Burst 62 / 63			
	(R)	19-I	30	1419 1499 2918		L
		60.2	71.5		5836	
	(VS) (S)	33-I	30	1414 1324 2738		L
		50.7	66.4		5476	
	(S) (2) 2	33-I	26	861 960 1821		L
		30.4	63.7		3672	
	(S) (2) R,O	14-D	26	1078 1043 2121		L
		21.4	61.0		4242	
	R	43/N		1334 1115 2449		S
		70.3	79.7		4898	
	(VS)	66	26	913 884 1797		L Sl.
		45.8	62.7		3594	
	(2)	17-I	34	562 712 1274		L
		27.2	57.4		2548	
		19-Hz		844		L
		37.6	55.4		3376	

		DATES			
		HEADING	FULL	FULL	PL
		1ST	FULL	RIPE	(N
661	B589A3-82-4-1-7, 321 BBT-50½ x Gulfrose ME/I-L/W/VT (4122) (Best lt in Col, '63)	8-2		9-3	
662	B589A3-82-4-1-9-3, 322 (4126) ME/I/W/T+	8-6		9-5	
663	B589A3-82-4-6-6, 323 ME/I/W-/T (4710) (V good in Col, '63)	8-5		9-5	
664	B589A3-82-2 BK 324 ME/MD/W/MT (3507) (3505 was R to H Bin Col '63)	8-14		9-8	
665	B589A3-82-2-1 325 ME/MD/W/MT (3504) (See 3505 in col '63)	8-8		9-6	
666	B589A4-70-2-2-4, 326 (4833) E/I/W/T	8-11		9-8	
667	B589A4-23-2-4-8, 327 ME/I/W/T 2 Row (4750) BBT-5 gd. Rows (Wilt Thurs BBT 5,7,29)	8-15		9-11	
668	B589A4-89-4-2-2, 328 (4859) ME/I/N/I	8-16		9-13	

Blast	Sh Hd	2nd elk	Burst			
R-1 / R-6	HB	62 / 63	62 / 63			
(S*) / (RHS)	(HR) (1) R	20-I		1054		L
		36.7	67.9		4216	
(S*) / (RHS)	(HR) (0) 1	24-I	32	916		L
		28.9	62.7		3664	
S / Sig	(Obs) (1) R	21-I		1080		L
		37.0	67.2		4360	
(VS) / (S+R)	(R) (0) Prob R	17-I		676		L
		26.4	53.6		2704	
(VS) / (S+R)	(R) (0-1)	20-I/H		758		L
		36.3	58.4		3032	
/	(MR) (2) R	5-I		1178		L
		52.1	69.0		4712	
(VS) / (S+R 3)	(R) (0) R 1	18-		1001		L
		45.7	62.2		4004	
/	(R) (3) R	13-I		952		L
		38.2	61.1		3808	

DATES

		HEADING 1ST	FULL	RIPE	F
669	B589A9-6-6-4BK-1, 329 BBtSo/2 x Gulfrose (4332) ME/I/W/MT	8-15		9-12	56
SNP					
670	B589A9-11-4-4BK-1 330 (4342) MS/I/MW-/T	8-10		9-10	58
671	B589A9-20-1-2-5, 331 (5008) ME/I/I+/I	8-16		9-11	54
672	B589A9-29-3-3-4, 332 (5045) ME/I/MW/I	8-12		9-9	56
673	B589A9-36-1-1-7-3, 333 (4426) ME/ML/W/T	8-16		9-13	52
SNP					
674	B589A9-36-1-1BK-2, 334 (4428) ME/I-/MW/T	8-16		9-13	53
SNP					
675	B589A9-36-5-4-6, 335 (5135) ME/I-/MW/MT	8-15		9-13	52
SNP					
676	B583A1-41-3, 336 CP231 x DIMA (2821) ME/I+/MW/T				54

Blast R-1 / R-6	St. Hd H.B.	2nd-alk 62 / 63	Burst 62 / 63			
	(sag) (5) R	10-I		877		L
		40.6	60.2		3508	
(S) (R)	(R) (1) R	20-?		712		L
		40.2	56.4		2848	
(VS) (R)	(S) (2) sag	25-I		962		L
		52.6	63.0		3848	
(VS) (R)	(sag) (1) R	29-I		990		L
		46.9	62.5		3960	
(S) (MR)	(R) (1) 2	16-I		944		L
		48.6	63.3		3776	
(S*) (R)	(R) (0) R	17-I		cut		L
		42.6	63.5		—	
	(R) (2) R	12-I		1150		L
		49.9	63.8		4600	
	(S)	14-	28	873		L
		27.4	59.1		3492	

		DATES			PLA HT (IN.
		HEADING 1ST	HEADING FULL	FULL RIPE	
677	B583A1-46-3-3, 337 CP231 x Dima (2832) HS/D/N/T				54
678	B583A1-56-1-1, 338 [redacted] (2855) VE/D/N/T				51
[redacted] 530-B	339 130 (583)				
[redacted] 531-B	340 131 (3729)				
[redacted] 532-B	341 132 (3717)				
[redacted] 533-B	342 133 (4472)				
[redacted] 534-B	343 134 (4514)				
[redacted] 535-B	344 135 (4537)				

Blast R-1 / R-6	Stubbl / HIB,	2nd/sack 62 / 63	Burst 62 / 63			
	(S)	19-I	28	629		L
		27.0	61.5		3316	
	(S)	38	28	622		L
		35.2	64.8		2488	
	(R) (R) R	14/I				
	(R) (2)	22-I				
	(R) (Reg)	21-I	29			

		DATES HEADING	1ST FULL	RIPE
[redacted] 571-B	345 201 (5206)			
[redacted] 572-B	346 202 (571)			
~~687~~ 573-B	347 203 (605)			
~~688~~ 574-B	348 204 (3902)			
~~689~~ 575-B	349 205 (4355)			
~~690~~ 576-B	350 206 (4383)			
~~691~~ 577-B	351 207 (554)			
~~692~~ 578-B	352 208 (5518)			

(5) / (3) 15/I

Seq / (rely) 15/II

10/15

DATE

		HEADING 1ST	HEADING FULL	FULL RIPE	
~~693~~ 579-B	353 209 (5604)				
~~694~~ 580-B	P.I. 215,936 354 210 (64)				
~~695~~ 581-B	355 211 (5669)				
~~696~~ 582-B	356 212 (610)				
~~697~~ 583-B	357 213 (614)				
~~[illegible]~~ 584-B	358 214 (680)				
699	B515A1-55-2-1-4 359 CP23/x PI184,812 (668) F/MD/MN/I+(Mixed leg. appearance 3/20)	8-8		9-11 (125)	9-11 48
~~[illegible]~~ 586-B	360 216 (8078)				

Sta HD	2nd Alk	Biuret
HB	62 63	62 63
	~~HB~~	
	43/L	
(R) (R)	15/I	
	18/I	30
(R)	14/I	
(S)	9/(I)	38

1188 L

48.6 63.3

4752

		DATES			
		HEADING		FILL	
		1ST	FULL	RIPE	
	361				
~~701~~	217				
587-B					
	(8084)				
	362				
~~702~~	218				
588-B					
	(8108)				
	363				
~~703~~	219				
589-B					
	(8111)				
	364				
~~704~~	220				
590-B					
	(5435)				
	365				
~~705~~	221				
591-B					
	(9813)				
	366				
~~706~~	222				
592-B					
	(9910)				
Cl. 9545	367				
~~707~~	223				
593-B					
	(65)				
	368				
~~708~~	224				
594-B					
	(5845)				

18/2

		DATES			
		HEADING		FULL	PL.
		1ST	FULL	RIPE	IN
~~709~~ 595-B	369 225 (6016)				
~~710~~ 596-B	370 226 (6048)				
711 SNP	B589A9-36-8-P, (401) BBtso/2x6alfrose (9652)	8-2		9-6	50
712 SNP	B589A9-16-8P, (402) (9624)	8-5		9-6	53
713	B589A21-95-3P, (403) (9670)	8-10		9-7	53
714	B589A3-50-1-4BK1 (404) (4571)	8-9 bad blankets		9-6	58
715 SNP	B589A18-21-3-2BK1 (405) (445P)	8-13 bad blankets		9-11	51
716 SNP	B589A18-21-5-4, (406) (9006)	8-8		9-10	51

Blast R-1 / R-6	Sti Hd HB	2nd-alk 62 / 63	Buret 62 / 63			
	(R)	21-I 56.1	67.1	1352	5408	L
	(R)	20-I 59.3	67.8	1188	4752	L
	(R)	20-I 40.2	56.6	789	3156	L
(S) (R)	(MR) (0) seg	24-I 48.0	61.3	753	3012	L
raph: +S → 25% amylase						
S) (R)	(MR) (1) 2	14-I 46.2	62.5	1047	4188	L
		19-I 55.3	68.7	1286	5144	L

			DATES		
			HEADING		FULL
			1ST	FULL	RIPE
717	B589A21-5-1-4 BBtSO/2 x Gulfrose (9018)	407	8-9		9-10
Ethw					9-10 (124)
718	B589A21-86-4 (596)	408	8-15		9-13
SNP	HS/I/W/T				
719	B589A21-52-2-3, (3771)	409	8-11		9-12
720	B589A18-21-3-2-8, (5166)	410	8-10		9-11
SNP					
721	BLUEBONNET-50 (Fd)	411	8-16		
722	B589A19-97-3-3-9, (5211)	412	8-8		9-10
SNP					
723	B589A19-107-4-2-8, (5229)	413	8-16		9-12
724	B589A30-25-2-1, 2 Rows (3875)	414	8-10		9-12
SNP					

Blast	Str Hd	Iod-alk	Buret			
R-1 / R-6	H.B.	62 / 63	62 / 63			
		19-I		1143		L
		44.8	62.8			
					4572	
	(MR) (seg)	28/I		cut		L
				—		
	(S) (seg) seg	21-I	35	1005		L
		51.4	64.0			
					4020	
	(MR) (2) R	18-I		1195		L
		49.4	64.6			
					4780	
				—		L
				—		
	(MR) (3) R	14-I		787		L
Good texture in '62, BRST gr texture						
		35.2	58.4			
					3148	
(VS) (R)	(MR) (0) R	21-I/w		979		L
tan-buff, clear, trans. gr texture						
		62.2	68.2			
					3916	
	(MS) (2)	17-I	36	1491		ML
		62.6	68.1			
					5964	

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
725	Bs96A3-16-2, 415 BBt50/3x Gulfrose (5541)	8-21			66
726	Bs96A4-22-3, 416 (5622) (5621 was reg to HB in Cd. '63)	8-18		9-16	57
727 SNP	Bs72A3-47-31P 417 PI-215,936 x CI 9214 (8876)	8-4		9-9	51
728 SNP	Bs72A3-47-5-1P-3P 418 (9783)	8-3		9-6	58
729 SNP	Bs72A3-47-5-2P-5P (419) (9803)	8-10		9-11	56
730 SNP	Bs72A3-47-5-6P-1P (420) (9806)	8-3		9-7	55
731 SNP	Bs72A3-47-5-1-3, 421 (6030)	8-2		9-5	4
732 SNP	Bs72A3-47-7-1-1, 422 (6037)	8-3		9-11	48

Blast 4th Hd 2d. alk Burst

R-1 / R-6	H.B.	6^2 / 63	6^2 / 63			
	(R) (S) 3	27-I		cut		L
		44.8	65.3		—	
	(R) (2)	26 I/H?		cut		L
		42.9	69.6		—	
	(R)	40-I		1375		L
		52.0	68.1		5500	
	(R)	13-h		1450		L
med long-sp, v clean texture						
		39.5	70.5		5800	
	(R)	23-h		1045		L
		49.8	63.8		4180	
	(R)	14-h		1468		L
		48.2	70.3		5872	
(R) (S)	(R) (R) R	13-h		1369		L
		42.2	70.5		5476	
(R) (S+R)	(R) (O) R	11/I/h/H		1634		L
		53.2	69.6		6536	

		DATES		
		HEADING 1ST	HEADING FULL	FULL RIPE
733	B572A3-47-16-2-2, 423 PI215,936 x CI 9214 (6071)	8-2		9-11
585-B	CI 9402, Natl Cr. Sel 424 215 (719)	8/10		9-11
735	B533HA1-25-1-4, 425 CP231 x CI. 9259 (670)	8-7		9-6
736	TAIPEI Lio Tuo-TEE 426 PI 248,487 (9580)	8-2		9-4
737	TAIPEI Woo-Co, 427 PI 248,489 (9581)	7/26 lodged 8/9		61
738	PEBI FUN 428 PI 248,166 (9582)	8/1 lodged 8/9		
739	B579A2-19-2-4P-1P(429) BBtso x Gulfrose (9852)	8-2		9-5
740	B579A2-19-2-5P 430 (9855)	8-2		9-6

Blast R-1 / R-6	Str Hd HB	2nd alk 62 / 63	Buret 62 / 63			
(R) / (R)	(MR) / (1) R	25-I		1183		L
		61.0	68.9		4732	
		14/I	40			L
	(S)	28/I	33	1223		L
		59.8	68.8		4892	
		19		833		L
		41.1	62.1		3332	
		19-I		852		M
		50.9	67.4		3408	
		11-I		1070		LM
		34.0	66.0		4280	
	(R)	20-I		978		L
		48.3	67.0		3912	
	(R)	23-I		1210		L
		53.3	68.2		4840	

		DATES		
		HEADING		FULL
		1ST	FULL	RIPE
741	B579A3-5-6-3P-1P, 431 BBtSO x bulfrose (9883)	8-8		9-8
742	B502A2-156-9-1-3, 432 BBt x CP231 (2017)	8-20		
743	B582A1-49-4-2 433 CP231 x Jojutla (3343)	7/26-S		—
744	B582A1-63-4-3, 434 (3348)	8-11		9-12
745	B561A3-24-3-3 435 Irrad. CP231 DW x Rex. (9046)	8-8		9-11
~~746~~ 597-B	~~B572A2-47-13-1-3~~ (4436) ~~PI215936 x~~ 227 ~~CI9214~~ (6056)			
~~747~~ 598-B	~~B572A3-47-15-1-2~~, 437 228 (6062)			
~~748~~ 599-B	~~B593A10-27-1~~ 438 ~~Belle x~~ 229 ~~[(CP231/3 x BBt)/2 x PI215936]~~ (6584)			

Blast R-1 / R-6	Shield HB	2nd-elk 62 / 63	Burst 62 / 63	Agraph angle		
0	(R)	58-L			1037	L
		35.4	66.6			4442
1	(R)	19-I	30		967	L
		24.2	66.4			3868
	(S)	22-	470 / 83.6	470 / 33.6	760	L
		34.4	68.4			1840
9		29-		1200 / 32.8	1269	L
		29.5	70.1			5076
4	(S)	20-			1447	L
4		57.8	67.8			5788
(R) (S+R)	(R) (O)	14-I				

		DATES			
		HEADING 1ST	FULL	FULL RIPE	P.
B572					
~~749~~ 600-B	~~439~~ 230 (8864)				
~~750~~ 601-B	~~440~~ 231 (8868)				
~~751~~ 602-B	441 232 (8901)				
~~752~~ 603-B	~~442~~ 233 (9781)				
~~753~~ 604-B	~~443~~ 234 (7944)				
~~754~~ 605-B	444 235 (9584)				
~~755~~ 641-B	~~445~~ 301 (9684)				
~~756~~ 642-B	~~446~~ 302 (830)				

(MS) 23/I 28

DATES

		HEADING 1ST	HEADING FULL	FULL RIPE	PL
~~757~~ 643-B	447 303 (2235)				
~~758~~ 644-B	448 304 (2623)				
~~759~~ 645-B	449 305 (807)				
~~760~~ 646-B	450 306 (2357)				
~~761~~ 647-B	451 307 (9933)				
~~762~~ 648-B	452 308 (2402)				
~~763~~ 649-B	453 309 (2435)				
~~764~~ 650-B	454 310 (2441)				

(MR) 20/I 35

		DATES HEADING 1ST	HEADING FULL	FULL RIPE
~~765~~ 651-B	~~455~~ 311 (2466)			
~~766~~ 652-B	~~456~~ 312 (2481)			
~~767~~ 653-B	457 313 (2621)			
~~768~~ 654-B	458 314 (2628)			
~~769~~ 655-B	459 315 (2661)			
~~770~~ 656-B	460 316 (2665)			
~~771~~ 657-B	P.I. 215,936 461 317 (64)			
~~772~~ 658-B	462 318 (2909)			

(S)
(R) S(2) 33 26

(2) R,O

43/H

		DATES		
		HEADING		FULL
		1ST	FULL	RIPE
773 559-B	B583A1-16-1-2BK-2, 463 CP231 x Dima 379 (2935)			
774	B583A1-63-3-2, 464 (803)	8-4	8	—
775 SNP	B583A1-15-2-3, 465 (2928)	8-5	5	
776	B583A1-16-1-2, 466 (2931)	8-19		
777 SNP	B583A1-15-2-3, 467 (2956)	8-13		
778 SNP	B583A1-15-2-3-4 468 (2959)	8-11		9-14
779	BLUEBONNET-50 (469) (51)	8-17		
780 SNP	CI. 9545 470 (65)	8-1		9-5

	Blast ~~R-6~~ R-6	Str Hd HB.	Iod-alk 62 63	Buret 62 63	Agraph amyl %		
		(seg)	17-I	34			
7		(R) seg	22/I 41.5	29 61.1		560	L 2240
9			10-I 45.4	30 63.2		1071	L 4284
0		(seg)	18-I 28.3	35 62.2		788	L 3152
3		~~(seg)~~ (5)	15 48.2	30 62.8	30	1134	L 4536
0		(6)	15 42.4	31 62.4		1043	L 4172
3			 48.4	 67.5		—	L —
2		R	18/L 60.7	 71.5		1570	M 6280

EARLY TO LATE

20W, S5

Sown: 5-9 south west Corn

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
781 Extra	B5813A8-3-1-1 (601) PI215,936 x Lacrosse (7019)	7/29	9/10	9-2	42
	ME/D-/I+/I			(116)	42
782	B5813A8-3-1-3 (602)	7/31	9/11	9-2	48
SNP	(7022) ME/D/I/I			(116)	48
783	B5813A8-10-1 (603)	7/25	$		51
SNP	(6877) ME/I/MW/T				50
784	B5813A11-27-1-3 (604)	8/2		9-8	51
	(7042) ME/MD/I+/T			(122)	51
785	B5813A11-71-3 (605)	8/8		9-6	50
	(7053) ME/D-/I+/I			(120)	50
786	B5813A12-4-1-1 (606)	7/21	8/3	9-1	48
Extra	(7059) ME/I+/I+/T			(115)	48
787	B5813A12-4-1-3 (607)	7/29	8/5	9-1	51
Extra	(7062) E-/D-/MW/T			(115)	51
788 Extra	B5813A12-5-1 (608) Vuni-mat	8/3		9-6	52
	(7068) ME/I+/MW/MT			(120)	52

Blast R-1 / R-6	Str Hd / HB	2d/alk 62 / 63	Biuret 62 / 65			
(R) r	(R) (R)	58-L		1339		M
		62.4	71.0		5356	
(R)	(R) (R)	48-L		1331		M
		61.6	70.5		5324	
	(MS) (R)	55-L		1203		M
		48.2	67.9		4812	
(R)	(S) (R)	19-L		1584		M
		49.3	72.2		6336	
(SHR) (S+R)	(S)	21-L		1522		M
		55.5	67.5		6088	
(R) (R)	(R) (R)	72-L		1543		M
		63.0	71.1		6172	
(R) (R)	(R) (R)	46 / L		1572		M
		65.1	70.8		6368	
(S+R) (R)	(R) (R)	45-L		1594		M
		64.6	72.3		6376	

		DATES			
		HEADING 1ST	HEADING FULL	FULL RIPE	
789	B5813A12-6-2 BK (609) PI-215936 x lacrosse (7084) ME/I/MW/VT	7/28	8/9	— Has Loc blotch on fw leaves	52 52
790	PI. 275,424 (610) Chia-NANG-yu-280 (8742) MS/D-/N/T (drooping leaves, long leaves)	8/2		9-4 (118)	45 46
791	PI. 275,425 (611) HsinChu-56 (8744) ME/D/N/I-	8/8		9-6 (120)	47 47
792	PI. 275,426 (612) KaoHsiung-68 (8747) ME/I/N/MT	7/30		9-1 (115)	49 49
793	PI. 215,936 (613) TAINAN-IKU #487 (64) ME/D/MN/I	8/3		9-4 (118)	48 48
794	PI. 275,429 (614) Taichung-176 (8754) ME/D/MN/MS	8/5		9-5 (119)	44 44
795	PI. 275,430 (615) Taichung-178 (8755) MS/I-/N/T-	7/27	8/9	8-29 (112)	51 51
796	PI. 275,435 (616) Taichung hine-48212 (8761) ME/D-/N-/MS.	7/30		9-1 (115)	50 50

Blast R-1 / R-6	Drill Hd HB	2nd-elk 62 / 63	Burst 62 / 63			
(R) (SuR)	(R) (O)	43-L		1547		M
		61.4	70.4		6188	
	3	53-L (PANK)		1478		S
		63.0	71.7		5912	
	Tn	29-L		1548		S
		62.9	72.3		6192	
	R	25-L		1570		S
		63.0	72.6		6240	
	R	43/L		1523		S
		65.8	72.6		6092	
	5	48-L		1330		SM
		64.1	72.8		5320	
	R	37-L		1336		SM
		69.6	74.0		5344	
	RO	30-L		1499		SM
		67.4	73.1		5996	

		DATES			
		HEADING 1ST	HEADING FULL	FULL RIPE	
797	PI 275,436 (610) Taichung line #47220 (8763) ME/D-/MN/MS	7/29S			56
798	PI 275,437 (618) Tsai-yuan-THON (8767) MS/ML/MN/VT+	7/30	badly lodged 8/9		56
799	CI. 9545 (619) (65) ME/D-/MN/=+	7/31	8/10	9-1 (115)	43
800	B572A3-47-3-2P (620) PI215,936 X CI9214 (8877) ME/I+/MN/S+			9-9 (123)	52
801	B5816A13-4-1-1 (621) Gulfrose X ZeN×(BR/3× Rex) (7126) ME/ML/W/VT	7/25	8/6		56 56
802	B5816A13-14-2BK (622) (7141) MS/L/MW/T.	7/21	8/2 some lodged 8/9		53 53
803	B5816A13-33-3 (623) (7163) ME/ML/MW/T+	7/30	8/9 Lodged		50
804	B5816A1-20-2-2 (624) (7214) ME/I+/II+/T very good plot, very big	7/21	7/30 some lodged 8/9		50 50

Blast R-1 / R-6	Std Bd MB	2d-elk 62 / 63	Burst 62 / 63			
	Tr	24-L		1163		SM
		61.5	72.7		4652	
	5	12-L		1045		M
		65.0	71.5		4180	
	R	18/L		1494		SM
		64.4	73.6		5976	
	(R)	(12)-L		1256		L
		50.7	66.1		5024	
	(S) (O)	57-L		1054		M
		66.1	69.3		4216	
	(MS) (O)	10-L		1047		M
		69.5	71.5		4188	
	(S) (S)	61-L		1125		M
		69.8	71.0		4500	
	(MS) (2)	10-L		1205		M
		61.0	70.5		4820	

		DATES		
		HEADING		FULL
		1ST	FULL	RIPE
805	B58/16A1-23-3-3 Gulfrose x (625) ZeN x (BR/3 x Rex) (7232) MS/I+/W/MT	7/28 no lea Lodged V leafy	8/3 8/9	
806	NOVA (626)	8/1 Some lea	8/9 8/9	8-26
807	(7) MS/ML/W/MT B58/16A 2-22-1 (627)	Rather leafy 7/21 Stunted	8/1 Than Nova	
808	(7242) ME/I/MW/I B58/16A2-22-2-2 (628)	Less leafy than Nova 7/27	8/4	
809	(7247) ME/MD/I/I- B58/16A2-26-1 (629)	V good plant type 7/26	8/7	
810	(7250) MS/L/W/T B58/16A2-29-2-2 (630)	7/25	8/4	
811	(7254) ME/I/I+/I+ B58/16A3-16-2-2 (631)	8/ V promising, stunted than Nova	8/8	
812	(7341) ME/I/MW/I+ B58/17A 15-4-3-2 Gulfrose (632) x Lacrosse (7330) ME/I/MW/I+	7/19 Lodged Too leafy	7/31 on 8/9	

Blast S-1 / S-6	Str Hd / HB	Ind-alk 62 / 63	Buret 62 / 63			
	(5) (1)	44-b		1057		M
		64.5	68.2		4228	
50		69/b		1159		M
		66.5	69.9		4636	
46	(5) (aeq)	17-b		1159		M
		67.8	70.7		4636	
48	(5) (0)	14-b		1101		M
		65.3	69.3		4404	
55	(5) (0)	17-b		1028		M
		64.1	70.6		4112	
47	(5) (0)	26-b		1032		M
		66.2	70.6		4128	
48	(5) (3)	23-b		994		M
		64.6	69.6		3976	
52	(5) (4)	45-b		995		M
		62.4	70.1		3980	

		DATES		
		HEADING		FULL RIPE
		1ST	FULL	
813	B5817A61-4-2-2 Gulfrose (633) x Lacrosse (7348) ME/I+/MW/VT	7/25 lodged	8/2	
814	B5817A61-7-2-2 (634) (7359) MS/I/MW/VT	7/28 lodged	8/5	
815	B5817A61-27-2-3 (635) (7402) ME/I/MW/I+	7/26 lodged	8/2	
816	NATO (636) (1-2) ME/I/I+/MT	7/28	8/9	9-1
817	CHIA-NUNG 242 (637) ME/D-/MW/MT (8738) (med ht. 109cm, Col. '63)	7/30 The erect leaf stem shorter/leaner than other lines use this strain in future	8/9	9-1
818	B5818A15-3-1-1 Gulfrose (638) x PI215,936 (7409) MS/I+/I+/I+	7/28	8/5	9-1
819	B5818A15-5-2 (639) (695) ME/I+/I+/T-	7/22	8/1	
820	B5818A15-5-3-3 (640) (7421) MS/I+/MW/MT	7/21 leaning & on 8/9	7/31	

Bleed R-1 / R-6	Sta HB / HB	2nd/alk 62 / 63	Biuret 62 / 63			
	(S) (O)	47-h		1072		M
		67.0	70.2		4288	
	(MS)	48-h		1214		M
		65.4	68.6		4856	
	(R) (R)	54-h		1451		M
		68.1	71.4		7404	
		74/h		1648		M
		65.4	71.9		6592	
	3 MR	33-h		1316		S
		cent'gd. 1390 gm.				
		61.3	71.4		5264	
	(S) (I)	42-h		1229		S
		44.6	67.1		4916	
	(S) (R)	68/4		1197		M
		63.3	67.4		4788	
	(S) (R)	48-h		855		M
		63.4	67.8		3420	

		DATES		
		HEADING		FULL
		1ST	FULL	RIPE
821	B5818A15-15-2-1 Gulfrose x PI215936 (644)	7/22 v hvy	7/31 vv good, lum	4
	(7445) ME/D/I-/I (Ace BYN #			
822	B5818A15-19-2-3 (642)	7/23	8/1	4
	(7461) ME/D/I-/MS			
823	B5818A15-30-2-3 (643)	7/30 lodged	8/6	5
	(7482) MS/I+/W/vT			
824	B5818A15-51-3-1 (644)	7/27 more leafy than 825	8/5	4
SNP	(7516) MS/I/W/T+			
825	B5818A15-56-2-2 (645)	7/25 v hvy	8/2 v good	4
SNP	(7525) ME/D-/I/MS			
826	B5818A15-61-1-1 (646)	7/22 lean	8/ 8/9	4
SNP	(7527) ME/I/I+/I			
827	B5818A15-67-2-3 (647)	7/25	8/4	5
	(7542) ME-E/MD/I-/I	one of v bent v good	like A 15-15 hvy + tall	
828	B5818A15-109-1 (648)	7/25	8/8	5
SNP	(706) MS/I+/MW/T+			

Blast R-1 / R-6	Str. Ht HB	2d. alk 62 / 63	Buret 62 / 63			
	(S) (O)	55-L		1500		M Sl.
		66.4	69.3		6000	
	(neg) (R)	41-L (Pink)		1574		M
		63.4	67.2		6296	
	(neg) (2)	32-L		1290		M
		59.0	68.2		5160	
	(NS) (R)	42-L		1315		L M
		65.6	69.0		5260	
	(S) (R)	44-L		1570		M
		47.2	64.8		6040	
	(S) (O)	45-L		1473		M
		61.8	67.2		5892	
	(R) (R)	59-L		1463		M
		67.4	70.9		5852	
	(S)	46/L		1211		M
		58.6	62.7		4844	

looks like a Jogetta hybrid

		DATES		
		HEADING 1ST	HEADING FULL	FULL RIPE
829	B579A2-45-36-2 BBt50 x Gulfrose (649) (813) ME-/I/I+/T OS-57	8/2 S ½ yield bad for ho 7/28	8/9	8-27
830	(650)			
831	(9464) pr type of Foton MS/I+/MW/VT (V long, hold grain) OS-58 (651)	7/22	8/8	8-28
832	(9466) MS/I+/I+/VT OS-58 (652)	7/29	8/9	8-28
833	(9466) MS/I+/MW/VT OS-59 (653)	7/29	8/9	8-28
834	(9468) MS/I+/I+/VT OS-77 (654) S/L/W/VT+ (9470) (120-135 Cm in Ok, '63, V long grain)	8/2 lodged 8/9		
835	HONEN-WASE (JAPAN) (655) (9475) ME/D/N/S	7/15 short st, lean	7/25	8/7
836	NORIN-22 (656) (9505) E-/MD/N/S+	7/31	8/8	8-27

Blast		Str. Hd	2nd alk		Burst			
R-1	R-6	HB	62	63	62	63		
			2.0/I			409		L
		(cag)				x 2		
						814		
					20.0			
							3256	
		5	I			990		L
			34.2		20.6			
							3960	
		5	14-I			1149		L
			28.9		69.0			
							4596	
			14-I			1077		L
			29.8		68.4			
							4306	
		3	12-I			1045		L
			23.8		68.9			
							4180	
		2				774		L
			46.6		67.0			
							3096	
		R(o)	37-L			1173		S
			59.3		22.1			
							4692	
		R(o)	37-L			1157		S
			68.3		22.4			
							4628	

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
837	BENISENGKU (657)	8/9		9-10	41
	(9508) ME/MD/N/S				
838	P88-10T-2T-1P (658)	8/5		9-6	52
	(9748) S/L/I+/VT				
839	B571A1-40-2-2-3 PI215,936 x (659) [CP231 x (Nill Selx Rex)]	8/4		9-2	47
	(5770) (MS/I+/MN/I+)				
840	B571A1-40-3-1 (660)	8/4		9-2	48
	(637) ME/I+/MN/I+				
841	B571A1-43-2 (661)			9-5	49
	(638) ME/L/I/I+				
842	B571A2-21-6-1-2 (662)				47
	(5826) E-/I+/MN/S+				
843	B571A2-21-10-2-2 (663)	8/9		9-9	44
	(5829) E-/I+/MN/S+				
844	B571A2-21-6-1 (664)				47
	(640) ME/I+/MN/S+				

Blast	Str Hd	2nd alk	Biuret			
R-1 / R-6	H8	62 / 63	62 / 63			
	R(1)	46-L		1011		S
		60.7	69.8		4044	
	(R)	22-L		908		L
		39.8	64.6		3632	
(S) (S+R)	(R) (1) neg?	23-I		1279		L
(good textured CB grain type)						
		45.6	68.7		5116	
	(R) (neg) R	23/I		1313		L
		44.9	68.0		5252	
	neg?	20/I		1225		L
		50.1	64.0		4900	
(S) (S)	(R) (0)	15-I		1119		L
		39.7	67.2		4476	
	(R)	20-I		1223		L
		55.1	67.9		4892	
	(R) (R) R	17/I		721		L
		37.1	65.6		3684	

		DATES HEADING 1ST	FULL	FULL RIPE	P
845	B572A1-6-2-1P PI215,936 (665) × CI9214 (8911) E/D-/N+/MT	8/3	8/10 V uni mat + long	9-5	4
846	B572A1-6-5-1-6 (666) E/D/MN-/N-/MT-I (5855) (v. short (90cm) in Col '63)	7/29	8/8 V. little die back of leaf.	8-29 (111)	4
847	B572A1-6-13-2-1 (667) (5869) ME/I+/MN/MT	7/31	8/10	8-29 (111)	4
848	B572A2-10-3 (668) ME-MS/MD/MN/I (643) (Short in Col, '63)	7/31 S	8/12	8-29 (111)	4
849	B572A2-38-7-3-2 (669) ME/ML/I/I (5984) (598 was R & HB in Col in '63)		Most Ht than 850 lacking. CHALKY		4
850	B572A3-48-2-3 (670) ME/D/MN/I+ (647) (648 was R & HB in Col in '63)	7/31	8/10	8-31 (114)	4
851	B572A3-43-4-1 (701) (6003) MS/D/N+/MT	8/2	8/11	9-1 (115)	4
852	B572A3-47-6-3 (702) ME/D/MN/MS (644) (Short Pet in Col in '63)	8/10		9-10 (124)	5

Blast R-1 / R-6	Str Hd HB	2nd-alk 62 / 63	Burst 62 / 63			
	(R)	19-L		1222		M
		42.5	67.1		4888	
(R*) (R)	(R) (neg) R	28-I		1172		L
(good texture, long al gr)						
		58.5	68.7		4688	
(R*) (St R)	(R) (R) neg?	25-I		1133		L
		55.4	62.4		4532	
	(R) (R) R	43/L		1110		ML
		60.0	68.8		4440	
(R) (R)	(R) (3)	(15-I)		946		L
		17.6	68.2		3784	
	(R) (neg)	14/L		1493		M
		49.6	72.5		5972	
	(S) (S)	48-L		1267		L
		54.2	67.6		5068	
	(R) (R) R	12/I		1469		L
		42.2	66.2		5876	LARGE

		DATES			
		HEADING	FULL		PL H (IN
		1ST	FULL	RIPE	
853	B572A 3-47-7-2-1 PI215,936 x CI9214 (702)	8/9			
Hv 10-8	(603f)				
No Yield	E/D/I-/T+	St+ watch closely			
854	B572A3-47-7-2-2 (704)	8/11			
Hv 10-8	(6039)				
No Yield	E/D/I-/T+	St+ watch closely			
855	B572A 3-47-9-1 (705)	8/8		9-9	
SNIP	(645)	Sq. color			
	ME/I+/I-/I				
856	B572A 3-47-13-1 (706)	8/8		9-9	
Eptm		Sq. color			
	(646)				
	ME-/I+/I-/I-	Rough hulls			
857	B572A 3-47-15-3-1 (707)	8/8		9-10	
	ME/D-/I+/T+				
SNIP	(6067) (6068 was R to H.B. in '63)	Rough hulls			
858	B573A 1-5-4-1 PI215,936 (708) x CI9402	8/2	8/10	9-4	
	(6131)			Heavy stand	
	MS-ME/D-/I+/T				
859	B573A 1-5-8-3 (709)	7/31	8/10	8-30	
	(659)				
	MS/MD/I+/VT				
860	B573A 1-5-3-2 (710)	7/31	8/8	8-28	
	(657)				
	ME/I+/I+/T+				

Blast R-1 / R-6	Str Hd / HB	2nd alk 62 / 63	Buret 62 / 63			
(S) (S+R)	(R) (O)	15-I		—		L
		15.1	64.6		—	
(S) (S+R)	(R) (O) R	(17)-b		—		L LARGE
		13.6	67.2		—	
	(R) (R) R	14/I		1470		L
		51.2	66.4		5880	
	(R) (R)	11/I		1620		L
		52.5	69.1		6480	
(R) (S+R)	(R) prob R	(9)-b		1631		L
		50.0	69.0		6524	
	(R)	14-b		1608		L
		51.5	71.4		6432	
	(R) R	10/L		1351		L
		58.4	67.8		5404	
	(R) R	32/L		1203		L
		66.5	70.4		4812	

		DATES			
		HEADING	FULL	FULL	
		1ST	FULL	RIPE	
861	B573A 2-1-1-1 PI 215.936 (711) x CD9402 (662) ME/D/E-/I-	7/29	8/9	9-2 (116)	4
862	B573A 3-2-5-3 (712) (6158) E-ME/MD/I-/I-	8/1	8/10	9-3 (117)	4
863	B573A 4-10-2-2 (713) ME/ML/I+/I (6171) 6170 was Sto	8/1 H.B. in Col (63)	8/11	9-9 (123)	4
864	B573A 4-10-5-2-3 (714) (6182) ME/MD/MW-/I+	H. beg. ripening			
865	BLUEBONNET-50 (715) (Fd) MS/ML/W-/VI+			9-12 (126)	6
866	B5711A 1-18-3-1 (CD231/3 x BBt) (716) x PI 215936 (650) ME/D-/I-/I	8/4		9-7 (121)	4
867	B5711A 2-42-4-2 (717) (653) ME-/D-/I/I-	7/30 Rough husks	8/7	9-2 (116)	4
868	B5711A 2-~~51-42~~-4-3 (718) (6254) ME-MS/D/N+/I-	8/9	8/10	9-2 (116)	4

Blast R-1 / R-6	str Hd HB	2nd alk 62 / 63	Buret 62 / 63			
	(R)	24/2		1537		M
		55.8	70.4		6148	
	(R)	18-2		1412		ML
		50.4	69.2		5648	
	(R)	26-2		1616		M
		55.1	67.8		6464	
	(R) R	17-2		—		L
		24.2	71.0		—	
				—		L
		32.2	66.5		—	
	(R) (R)	11/2		1525		M
		45.6	70.3		6100	
	(R) (R) R	17/2		1527		LM
		51.1	68.9		6108	
	(R) (S)	60-2		1435		L
		62.3	68.8		5740	

		DATES HEADING 1ST	 FULL	 FULL RIPE	P. (A
869 Hv 8-21 green	B579A2-11-2-1 BBt50 x Gulfrose (719) (5302) MS/L/I+/VT+	7/30 lodged	8/8 8/9		53
870 Hv 8-21	B579A2-28-2-1 (720) (707) MS-/L/MW/VVT+	7/20 leaning	8/8 8/9		65
871	B579A2-45-3-9 No yield (721) (5383) ME-MS/ML/I+/T.	8/7 90% [Better leaf color [illegible]	 lodged [illegible]	9-9 (123) [illegible]]	58
872 Hv 8-21 green	B579A2-45-33-1 (722) S/ML/I+/T. (5471) (Short ht in Col in '63)	8/1 lodged [illegible]	8/9 8/9 [illegible]	 [illegible]	56
873 Hv 9-10	B593A10-30 Belle x (723) [[CP231/3 x BBt]/2 x PI215,936 (6613) ME/MD/I/MT	8/2 ✓	8/9 30%	9-4 lodged (118)	55
874 Hv 9-10	B589A3-86-4-3 BBt50/2 x Gulfrose (724) (559) ME-MS/ML/I/T+	8/1	8/10 15%	9-1 lodged (115)	53
875 Hv 9-10 SNP	B589A4-11-2 (725) (562) ME-MS/I/I+/I-			9-11 (125)	55
876 Hv 10-8 No Yield	B589A4-18-1 (726) (563) ME-MS/L/I+/I (many yellow leaves)			9-13 (127)	50

Bleat	Strikk	Sod-alk	Buret			
R-1 / R-6	HB	62 / 63	62 / 63			
	(neg) (neg)	70-L		620		L
		60.8	67.4		2480	
	(S)	97 INK		876		ML
		67.9	69.8		3504	
	(MS) S	13-L		—		L
(SX) (R)	(MR) (O) R	21-I		862	—	L
		42.5	64.7		3448	
	(MS)	18-I		1300		ML
		52.3	70.4		5200	
	(S)	15/L		1140		L
		52.0	68.2		4560	
	(R) (R) (4+ neg)	22/L		863		L
		49.6	63.3		3452	
	(R) (R)	14/L		—		L
		44.6	66.8		—	

		DATES HEADING 1ST	FULL	FULL RIPE
877	B589A4-70-2-2 BBt50/2xGalfrose (727)			9-7
Hv 9-10	(8971) E-/I+/w/I			(121) 50
878	B589A9-2-1 (728)			9-10
Hv 9-10	(569) ME/L/MW/MT			(124) 5.6
879	B589A9-36-2-4-7 (729)			9-9
Hv 9-10	(573) ME/L/MW/I			(123) 53
880	B589A18-12-3-1 (730)	7/28	8/5	8-29 (112) 45
Hv 8-28 SNP	ME/D-/I/I- (3576) 3575 was R to HB in Col in '63)	grain is shorter than 881 v good growth habit, shank [illegible]		
881	B589A18-12-4-2 (731) sl taller than 880	7/27	8/5	8-27
Hv 8-28	(3582) ME/ML/MW/I+			(111) 50
882	B589A18-15-1 (732)	8/7		9-7
Hv 9-10	(576) ME/L+/I/I-			(121) 46
883	B589A18-15-2-4 (733)	8/5		9-4
Hv 9-10 SNP	(9001) ME/L-/I/I			(118) 50
884	B589A18-21-3-2-7 (734)	8/8		9-6
Hv 9-10 SNP	(578) ME-MS/L/mw/MS			(120) 48

6/45 R-1 / R-6	Str. Hd / HB	Iod/Alk 62 / 63	Biuret 62 / 63	Pt	Pt		
		13-I		50	1301	M LARGE	
		47.3	67.0				5204
	(MR) (small)	17/I		56	929	L	
		48.6	62.2				3716
	(R-Seg) S (~100 on A graph)	27/I		53	960	L	
		46.3	60.0				3840
	(R) (R) prob R	60-h		45	1109	L	
(med-gr typis present)		select not to med-gr					
		65.6	69.6				4436
	(R) (O)	56-h	30	50	1125	L	
		62.7	68.1				4500
	(R) (R-Seg) R	24/h		46	1120	L	
		28.7	59.6				4480
		44-h		50	1286	L	
		30.6	61.6				5144
	(R) (Seg)	17/I		48	1217	L	
		52.6	68.7				4868

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
885	B589A 18-42 88[illegible]/2 x Gulfrose (735)	8/10		9-8	47
	(580) ME/L/I+/MS			(122)	47
886	B589A18-71-1-1 (736)	8/1	8/8	9-2	48
	(3664) ME/L/MW/I+			(116)	48
887	B589A18-71-2-6 (737)			9-5	47
	(3669) ME/I/MW/I			(119)	46
888	B589A18-71-2-3 (738)			9-5	47
	(3672) ME/L/MW/MT			(119)	46
889	B589A19-4-2-1-10 (739)			9-9	52
	(585) S/L/MW/I+	Leaves blanket plot		7/30 (123)	54
890	B589A19-36-2-3 (740)	8/3		9-3	63
	(3702) MS/L/MW/VT	90% Ledged Extreme late	7/30	(117)	63
891	B589A28-95-2 (741)			9-7	52
	(599) S/L/I+/T	leaves blanket plot	7/30	(121)	50
892	B589A30-14-4 (742)			9-11	52
	(605) Like 891	Blanket	7/30	(125)	51

Bleed R-1 / R-6	Starch / BB	Iod/ALK 62 / 63	Buret 62 / 63			
	(R) (S)	37/I		1163		L
		48.8	63.2		4652	
(S) (R)	(R) (O) R	51-h	38	1456		ML
		58.5	70.9		5824	
	(R) (R) R	40-h		1204		LM
		56.8	67.4		4816	
	(R) (O) R	50-h		1002		M
		62.6	70.4		4808	
	(R) (R)	19/I		784		L
		46.3	62.4		3156	
	(R) (O) R	26 (pad I	41	1051		L
		46.6	67.8		4204	
	(S) (neg) R	15/I		813		L
		55.0	65.6		3252	
	(neg) (neg)	15/L		810		L
		58.6	67.6		3240	

		DATES			PLAN
		HEADING 1ST	FULL	FULL RIPE	HT. (IN.)
893	B589A30-21-1-3 BBt50/2 x Gulfrose (743)	8/10		9-5	
	(3871) E/MD/I+/VT (all leaves emit 7/30) some yellow			(129)	57
894	B589A30-28-2 (744)			9-11	
	20% lodged (606) like 893			(125)	58
895	B589A30-46-3 (745)			9-11	
	40% lodge (608) ME/ML/MW/VT+ most leaves are emit 7/30			(125)	58
896	B589A38-21-1-4-9 (746)			9-10	
	70% lodged (5148) S/L/W/T+ blanket 7/30			(124)	57
897	B548AA4-10-3 CP-231/2 X CI8970 (747)	7/23	8/3		
	gold tuft, short, lodged (8014) MS/MD/MN/T long slender				57
898	P58-9T-2T-1P CP231 x Gulfrose (748)	8/2	8/10		
	V good, leafy C type (9733) S/L+/MW/VT blanket 7/30				56
899	B572A1-6-6-4P-1P PI215,936 (749) x CI9214	8/4		9-5	
	Extremely Tall 50% lodge (9768) E/D/I+/VT (all leaves emit 7/30) V tall			(119)	59
900	B571A1-2-3-1P PI215,936 (750) x [CP231 x (Hill Sel x BBt)]	8/6		9-3	
	(8847) ME/MD/I/S (all leaves emit 7/30)			(117)	44

Blast R-1 / R-6	Str/Hd HB	Rod/Stk 62 / 63	Burst 62 / 63			
	(S) (2)	8-L		1198		L
		54.8	68.0		4792	
	(VS) (R)	14/L		930		ML
		65.4	68.1		3720	
	(Pag) (Pag) S	16/L		928		ML
		60.7	67.9		3712	
	(R) (3)	32-L		932		L
		54.6	64.8		3728	
	(S)	20-I		701		L
		49.6	61.8		2804	
	(R)	34-L		855		L
		55.5	63.4		3420	
	(R)	20-I		1404		L
		61.4	68.4		5616	
	(R)	13-L		1298		ML
		53.0	68.2		5192	

		DATES HEADING 1ST	DATES HEADING FULL	FULL RIPE	PLAN HT IN.
901 Hv 9-10	B571 A1-4-3-1P PI-215,936 (751) x[CP231x(Hill Sel x BBt)] (8849) ME/MD/I-/I	8/1		9-1 (115)	5 50
902 Extra Hv 9-10	B571A1-43-2 (752) (681) ME/L/I+/T+ (many dead leaf tips & some yellow	8/		9-12 (126).	5 54
903 Hv 9-10 Extra	~~B5580A1-15-2-3~~ B55108A15-15 (753) CP231/3x B-Bt (671) MS/I/I-MN/I Very tillering	8/3		9-6 (120)	5 51
• 904 Hv 9-10	B5580A1-15-1-3 CP231xSho-17 (754) ME/I-MD/MN/I- (672) (V short 85cm in Col. in '63) Covered [illegible].	8/7		9-10 (124)	50 50
905 Hv 9-10	B5580A1-15- (755) (623) MS/L/MN-I/MT. Rather long leaf	8/9		9-4 (118)	5 52
906 Hv 9-10	B55 80A1-15-2-3 (756) Tailing, no 1 plant type E-ME/D/MN/S (8358) (Short ht, good yield in Col. in '63)	8/8		9-4 (118)	40 40
907 Hv 10-8 No Yield	B5574A1-13-1-3 CP231xMTU-1 (757) (8327) MS/L/MN/T (leaves streaking & bleached as V[illegible]	8/9		9-14 (128)	55 55
908 Hv 9-10	B5553A1-1-4-1 CP231xCRH-13 (758) (9109) ME/I/MN-N/MT.	8/1	8/10	9-4 (118)	4 49

Blast R-1 / R-6	Str Hd / HB	Iod/Alk 62 / 63	Biurat 62 / 63			
	(R)	25-L		1386		ML
		55.8	69.7		5544	
	(R)	19/I		1205		L
		57.0	65.8		4820	
	(S)	13/I	33	~~1488~~		L
		60.6	68.4		5952	
	(S) R	52/H²	42	1385		ML
		52.5	65.0		5540	
	(R)	69/H	38	1388		L
		63.2	67.5		5552	
	(S) R	82-H		1437		ML
		56.6	65.2		5748	
	(S)	59-		—		L
		12.8	69.3		—	
		24-		1182		L
		52.6	66.8		4728	

		DATES HEADING 1ST	FULL	FULL RIPE	P
909	B5614A2-32-2-2 IRRAD CP231 DW x Rex (759) (771) ME-MS/L/I/MS			9-12 (126)	3
910	B5534A3-7-3, CP231/2 x CD8970 (760) (801B) ME/ML/I+/T	8/1	8/9	9-1 Excellent CP type, (115)	5
911	B5517A17-4-1-1 CP231/2 x PI 180,177 (761) (803B) MS/L/MW/T-			9-1 (115)	5
912	B5517A30-3-2-2 (762) (804Z) MS/L/I/T	8/2		9-7 (118)	5
913	CP231, Tetra Sel (763) (682) ME/ML/I/T			9-10 (124)	4
914	CP231, Tetra Sel, (764) (684) (Late 914)			9-11 (125)	4
915	CP231, Tetra Sel (765) (685) (Late 914 almost)	8/5		9-2 (116)	5
916	CENTURY PATINA-231 (766) (BR.) MS/I/MW/T-	8/7		9-6 (120)	4

Blast R-1 / R-6	Str Hd / HB	Iod/AHK 62 / 63	Biuret 62 / 63			
7	(S)	42/P/H		812		L
		51.3	62.5		3248	
1	(MR)	19-I		1246		L
		47.2	66.6		4984	
3	(S)	14-		860		L
		28.1	60.8		3440	
7	(S)	16-I		1312		L
		48.2	66.3		5248	
9	(S)	19/P		1176		L
		49.3	63.6		4704	
9		18/I		1103		L
		47.7	63.4		4412	
1		14/I		1248		ML
		48.8	68.8		4992	
9				1379		L
		60.6	66.6		5516	

CP-231 Types & Tojutla Sels.

Block 21 W, 55

Sown: 5-9

DATES

		HEADING 1ST	HEADING FULL	FULL RIPE	P. Ht.
917	B581A1-13-2 (CP231/3 × BBt)/2 (767) × PI 215,936 (7630) ME/D/MN/I-	7/30	8/9	9-1 (115)	44
918	B581A3-8-3, (768) (7632) ME/L/I/I	8/2	8/11	9-2 (116)	43
919	B581A3-59-2, (769) (7657) ME/I+/MN/S+	8/2	8/11	9-3 (117)	47
920	B581A6-17-1-1 (770) (Was R to HB in 62 but S in 63, ?) (7713) ME/mL/I+/I	8/5	8/12	9-6 (120)	49
921	B581A6-83-3 (141) (7718)	8/6	8/16	9-5 (118)	40
922	B581A6-121-1-4 (142) (7723) (Velvet ht., V early, mod. yield in GL in 63)	8/4	8/15	9-4 (118)	38
923	B581A6-473-2-2 (143) (7749)	8/2	8/13	9-30 (113)	48
924	B581A6-574-4P (144) (7908) ME/D/I-MN/T.	7/30	8/12	9-1 (115)	42

Blast R-1 / R-6	Str Hd HB	2nd-alk 62 / 63	Burnt 62 / 63			
	(MR)	13-I		1381		ML
					5524	
		50.0	67.0			
	(MR)	12-I		1307		ML
		51.4	66.2		5228	
	(MR)	23-I		1360		L
		56.6	66.7		5440	
	(R) (O) S	28-I		1387		L
		53.3	65.8		5548	
	(R)	19-I		1015		L
		48.8	66.6		4060	
	(R) (O) R	20-I		1213		dL Slender
		49.6	68.4		4852	
	(R) S	20-I		1352		L
		61.9	67.9		5408	
	(R)	23-I		1411		L
		48.0	67.2		5644	

		DATES			
		HEADING		FULL	PL
		1ST	FULL	RIPE	
925	B58IAG-576-3-3-BK-1 (GP-231/3 X BBT)/2 X Pi.215,936 (145)	8/1	8/11	9-3	4
Hv 9-9	(2963) ME/MD/I-/I			(117)	4
926	B58IA6-645-2-2 (146)				4
✓ 927	(9125) ME/MD/MN/I B551A 7-4-1-2 TP/2x DwTP (147)		9-10	Lem rob tip -	4
928	(2005) ME/I-L/I/VS B551A 7-4-1-2 TP/2x DwTP (148)		9-9		5
929	(2008) MS/L/I+/T B551A8-1-1-2 TP/2x DwTP (149)	8/18		fragile tip dy 1/2 ap	5
✓ 930	(2014) MS/L/I+/T+ B5617A 4-38-2-3 Rex/2 X Pi.183,331 (150)		9-10	fragile tip, 1/2 phll, 1/2 dy	5
931	(2122) ME/I/MW/MI B5617A 22-10-1-2 (151)				5
932	(2134) E/I/MN/I- B5617A 26-3-2-3 (152) Stnd'd grad	8/8	8/20	9-5	4
Hv 9-1	(2153) ME/I/I-MW/I-			(119)	4

Blast R-1 / R-6	Sh Hd HB	2nd elk 62 / 63	Burnt 62 / 63			
	(MR) (1) S	29-I	28.	1266		L
		28.6	65.0		5064	
	(MR) (0)	22-		540		ML
		30.8	62.2		2160	
	(R) I	28-I	25.	567		L
		53.9	63.4		2268	
	(R)	22-I	26.	610		L
		48.3	60.2		2440	
	(MS-S)	23-I	27	704		L
		47.8	63.2		2816	
	(MS)	24-I	28	523		L v. Slant
		27.9	56.8		2092	
	(S)	17-I	23	591		ML
		39.8	67.9		2364	
	(S)	15-I	25	943		ML & Slant
		46.9	70.1		3772	

		DATES			
		HEADING		FULL	PLA
		1ST	FULL	RIPE	H IN
933 Hv 9-9	B5617A 26-28-1 Rex/2 X PI. 183,331 (153) (2265) VE/I/MN/I+	8/7	8/19	9-3 (117)	52 52
\ 934 Hv 9-9	B585A1-109-2 BBT-50 X DIMA (154) (2535) E/I+/I+/VT	8/9	8/17	9-5 (119)	51 51
935 Hv 9-9	B583A 1-11-3 CP-231 X DIMA (241) (2730) S/ML/W-/T	8/9		9-10 (124)	57 57
936 Hv 9-9	B583A1-4-2 (242) (E/D/N+/MS, med short flag) (2712) erect flag, V good Short ht + sparse Pan in '62, heavy tillering.	8/4	8/16	9-6 (120)	51 51
937 Extra Hv 9-9	B583A1-45-2 E/M/ (243) like 938, V good E/MD/I-MN/I- (2825)	8/6	8/16	9-6 (120)	52 52
938 Extra Hv 9-9	B583A1-56-4-2-Bk (244) (E/D/MN/I+, short flag) (2942) erect flag	8/4	8/15	9-4 (118)	54 54
939 Hv 9-9	B584A1-6-3-1 BBt-50 X JOJUTLA (245) (2977)	8/10		9-4 (118)	56 56
940 Hv 8-30	B584A 1-6-3 (246) profuse shattering, Irreg ht, done not segr	8/1	8/13	8-27 (110)	— —

Blast R-1 / R-6	Str Hd H.B	2d. alk 62 / 63	Burnt 62 / 63			
	(S)	21-I		1127		ML V. Str
		46.7	69.3		4508	
		17-I	30.	1081		L
		47.3	66.2		4324	
		90-II		871		L
(med acet high iodine)		43.4	56.3			
		31-	25	1092	3484	L
		48.0	66.1			
	(S)	21-I	34	1154	4368	L
		45.0	60.6			
	(1)	14-I	36	1053	4616	L
		55.2	65.4			
	(S) (S)	19-I	26	665	4212	L
		30.4	56.7			
		23-I		352	2660	ML
		47.8	65.8			
					1408	

		DATES			
		HEADING		FULL	P
		1ST	FULL	RIPE	(
941	B584A1-5-3-1-BK BBtSO x Jajutka (247)	8/13		9-12	68
	(2974)			(126)	68
942	B584A1-13-2-2 (248)	8/2	8/10	8/30	
	(3007)	V uniform Shatters moderately V good plant rough hulls			
	(Excellent grain texture in 1962)			(1131	-
943	B584A1-13-2-2RK (249)	8/14		9-10	56
	(3017)				
	(V good BBtpl type & excellent texture in '62)			(124)	56
944	B584A1-13-2-4 (250)	8/8 S	8/20	9-6	57
	(3019)	Shatters easily			
				(120)	57
945	B584A1-13-2-4 (251)	8/7 S	8/20	9-4	56
	(860)				
				(118)	56
946	B584A1-16-5-2 (252)	8/17			57
		90% Lodge			
	(3235)			-	57
947	B584A1-16-5-2 (253)	8/7	8/20	9-6	-
		Lrg. Bs			
	(3239)			(120)	-
948	B584A1-16-5-2 (254)	8/6	8/20	9-7	57
	(3242)				
				(121)	57

Blast R-1 / R-6	Stalk HB	Iod/ALK 62 / 63	Biuret 62 / 63	Agropl angle %		
	(MR) (4)	20-I		+270 (29.9°)	794	M
			42.5	61.3		3170
	(3) (neg)	24-I	26	+240	1023	L Slender
			Cord gd.	1050 gm.		
	(5) (2) S	22-I	57.7 26	69.4	821	4092 L Slender
			41.1	63.0		3284
	(5) (5)	27-I	24	+240 (30.)	818	L
			36.6	64.9		3272
		40/M? +240 & 3 26 on Agropl	29	+240 (30)	859	V.L
			39.4	66.6		3436
	(5) (6)	22-I	~~I~~	+390 (31)		●
	(5) (5)	21-I	25	+390 (31)	992	L
			42.5	69.7		3968
	(R) (P)	15-I	32	+390 (31)	1510	L
			53.1	70.6		6040

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
949	B584A1-16-5-2 BBtSo x Jojutla (341) (3027)	8/9 shatter early	8/20	9-7 (121)	61
950	B584A1-16-5-2 (342) (3030)	8/17 100% lodge			57
951	B584A2-6223-1, (343) (3262)	9-9 80% lodge			57
952	B584A1-30-1-1 (344) (3058)	8/15 100% lodge V. long pan.			66
953	B584A1-30-1-2 (345) (3061)	8/14 100% lodge long pan			60
954	B584A1-30-3-1 (346) (875)	8/7 shatter early lowered yield	8/18	9-6 (120)	58
955	B584A1-30-4-1 (347) (881)	8/6 badly lodged	8/15 lodged 100%	9-5 V. tall (118)	63
956	B584A1-21-1-1 (348) (3036)	8/8 mod lod, BBR + 9%	8/16 cross with	9-7 (21)	50

Blast R-1 / R-L	Mud HB	Tod/ALK 62 / 63	Biuret 62 / 63	Agraph amylase		
	(MS)	13-I	28	+400 (36)	887	L
			43.0	63.0		354
	(MS)	20-I	27	+400 (31)	cut	L
			26.3	61.9		
	(S) (S)	25-I	[redacted]	+360 (34)	cut	LM
			54.1	70.3		
		15-I	23	+210 (29)	cut	L
			20.0	63.0		
	(S) (S)	21-I	[redacted]	+210 (29)	cut	L
			33.0	66.2		
		34/I	27	+180	526	L
		+140 & +180 on Agraph.				
			32.1	63.4		2104
		32/I	36	+120	dia	[redacted]
		Agraph = +120				
	(S)	41-I	28	+290	751	L
			45.0	67.4		3004

		DATES		
		HEADING		FULL
		1ST	FULL	RIPE
957	B584A1-34-1-1 BBtso x Jojutla (349) (810) (Red grain type, clear texture)	8/6	8/19	9-4 (118)
958	B584A1-35-3-1 (350) (811)	8/7		9-6 (120)
959	B584A1-37-4-1 (351) (3076)	8/8	8/16	—
960	B584A1-43-2-1 (352) (814) No yield	8/6	8/20	9-5 (119)
961	Jojutla (353) (892)	100%		
962	B584A2-8-2-1 (354) (858)	8-31 100%		
963	B584A2-13-2-1 (441) (808)	8/8	8/19	9-7 (123)
964	B584A2-24-3-1 (442) (3103)	8/5	8/14	9-3 (117)

Blast R-1 / R-6	Str. Hd / H.B.	2od/slk 62 / 63	Burst 62 / 63	Agraph / amyl.%		
	(S) (6)	16/I	25		957	L
			34.2	64.9		3828
		23/I			685	L
			18.4	59.4		2740
	(R)	86	29		1230	L
			58.7	66.9		4920
	(MR) S	19/I			—	L
			39.8	66.3		—
		17/I	30		dis	
		20/I	28	(+420)	dis	—
		Agraph = +420 & +350				·
	(aeg) 2	28/I		(+39)	1127	L
		Agraph = −50 +; +30				—
			33.8	69.0		4508
	(R)	17-I	30	(−80) (+27)	1097	L M
			52.2	69.0		4388

DALES

		HEADING 1ST	HEADING FULL	FULL RIPE	
965	B584A 2-63-1-2 BBt SO x Jo Jutla (443) (883)	8/4 S 9-6 late Mostly late.			6
966	B584A 2-63-1-4 (444) (3114)				5
967	B584A 2-63-3-1 (445) (3118)	9-9			5
968	B584A 2-63-3-1Bx1 (446) (3121)				5
969	B584A 2-63-3-2 (447) (3125)	9-7			5
970	B584A 2-63-4-1 (448) (3128)	80% lodge			5
971	B584A 2-63-4-2 (449) (3135)	70% lodge			5
972	B584A 2-63-4-2 (450) (3137)	50% lodge			5

Bloat R-1 / R-6	Sh Hd / HB	2nd-alk 62 / 63	Burnt 62 / 63	Agraph / amyl %		
		16/I Agraph = +400; +360	23-I	+400	818	L
			53.8	68.4		327
	(S)	19-I	20	+400 (32)	1036	L
			61.1	72.2		414
	(MR)	22-I		+390 (32)	847	ML
			53.2	70.2		348
	(MR) (O) (R) R	23-I	20	+390 (32)	840	ML
			51.9	71.3		336
	(MR)	16-I		+390 (32)	784	L
			58.6	69.7		313
	(S)	14-I		+480 (32)	cut	VL
			59.2	74.2		—
	(S)	19-I		+480 (32)	cut	L
			62.6	71.7		—
	(S)	23-I	23	+480 (32)	cut	L
			61.2	69.2		—

		DATES			PLA
		HEADING		FULL	I
		1ST	FULL	RIPE	(IN.
973	B584A 2-75-3-4 BBtSO×JOJUTLA (451)	8/3 S			63
		50% lodge			
	(902)			—	63
974	B584A2-75-3-1 (452)	8/1	8/12	8-31	62
		Smy ht, V tall			
	(3144)			(115)	62
975	BLUEBONNET-50 (453)	8/13		9-11	52
	(Fd.)			(125)	52
976	B582A1-30-3-7 CP231×JOJUTLA (454)	8-30	9-9		56
	(820)			—	56
977	B582A1-31-1-2 (541)	9-4			56
	(3301)	V. erect dwf. Pr. maybe		—	56
978	B582A1-40-3-3 (542)	9-5			57
		90% lodge			
	(3319)			—	57
979	B582A1-40-3-1 (543)	9-6			59
	(3307)	90% lodge		—	59
980	B582A1-41-1-3 (544)	8/7 S		9-8	
	(3324)	Sy. Int color		(122)	

Blast R-1 / R-6	Sh Hd HB	Iod/ALK 62 / 63	Biuret 62 / 63	Agraph amyl %		
	(R)	25/I Agraph =	20 +210	(+210)	clear	*
	(R)	38-I	20	(+210)	cl	L
			47.6	68.2		
					clear	
		13/I			870	L
			28.2	60.3		3480
	(I)	23-I		(-80) (29)	761	L
			28.8	63.7		3044
		20-I		(+360) (36)	cl	L
			23.7	61.1		
		16-I		(+360) (36)	cl	L
			45.0	63.8		
		89-H	28		1092	L
			50.8	61.9		4368

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
981	B582A1-41-4-2 (545) CP231 x Jojutha	8/9	8/21	9-9	59
	Hv 9-9	Sup. color			
	(3329) lg. color (may be a Roma hybrid)			(123)	54
982	B582A1-41-4-3B K3 (546)	8/4		9-6	55
	Hv 9-9	Sup. color			
	((3337) 3336 was cleaned R(3) in Col in '63)			(120)	55
983	B582A1-49-4-1 (547)	7/30	8/13	9-1	56
	Hv 9-9	Block, hull over gold-hull Tall but V good plant strength			
	(3339) (was very good in 1962 in field)			(115)	58
984	B582A1-62-3-1 (548)	8/7 S			
	Hv 9-9	Sup. color.			
	(3345) (V dark green, V good plant type, med ht, sturdy in '62)				
985	B582A1-63-4-3 (549)	8/7	8/19	9-9	57
	Hv 9-9	(625)	High Sturdy.		
				(123)	57
986	B582A1-7-2-1 (550)	8/2	8/14	8-31	62
	Hv 8-30	V V W.	Wk shaw		
	(903)	High Sturdy		(114)	62
987	B582A1-14-3-1 (551)	8/2 S	8/19	9-1	62
	Hv 8-31	(906)	High Sturdy		
				(115)	62
988	B582A1-15-2-1 (552)	8/5	8/16	9-1	60
	Hv 8-30	V wk	shaw		
	(3274)			(115)	60

Bleed R-1 / R-6	Stain HB	Iod/ALK 62 / 63	Biuret 62 / 63	A graph amp%		
	(3)	15-I			1228	L
			53.7	66.7		4912
	(2)	22-H	31		937	L
(Excellent grain texture) Rxtg. size						
			53.8	65.6		3748
	(5)	18-I	29	+470 (29)	1023	L
V. chalky large gr.						
			44.8	68.4		4092
		48-?	32		1047	L
V good grain texture, BBT type)						
			45.8	60.2		4188
		15/I		+110	850	L
		A graph = +110				
			16.0	57.8		3400
		22/I	24	+590	330	L
		A graph = +590				
			19.8	49.7		1320
		71/H	28		609	L
			35.7	54.8		2436
	(5)	27-I	22.	+540 (36)	390	L
			37.1	59.2		1560

V. Early Selg. Stock #: 992
Source: 5-29

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
989	B58f2A1-36-2-2 CP231×Jojutla (553) (913)	8/1	8/12	(uniform)	52
990	B58f2A1-36-2-1 (554) (3303)	8/2	8/12	8-31 (112)	48
991	B582A1-49-4-3 (555) (920)	9-9			
992	B574A1-32-3-9-1 CI9214×CI9383 (101) (6284)	8/10	Border plot upon grain due to location	9-8 (102)	39
993	B574A1-22-3-9-2 (102) (6302)	8/12		9-9 (103)	40
994	B575A1-27-4-3-2 CI9214 × (103) (CP231 × CI9122) (6330) (v short flop in 1962) watch	8/12		9-9 (103)	44
995	B575A1-48-2-2-1 (104) (6336)	8/7	8/19	9-8 (102)	45
996	B575A1-57-2-2-3 (105) (6344) CI9544 selection	8/10	8/19	9-6 (100)	40

Bleed R2 / R-6	St Hd / HB	Ind/ALK 62 / 63	Biuret 62 / 63	Agraph amyl 30		
		23/I	23	+340	481	L
		Agraph —	+340			
			15.6	57.6		
		21-I	27	+260 (32)	589	1924 L
			41.0	65.2		
		16-I	33	+300 (28)	[illegible]	2350
(S+R)	R	13-I			499	L
			44.8	67.0		
(S+R)	R	13-I			544	1990 L
			45.2	66.5		
(S) (R)	R	18-I			739	2170 L
			42.6	67.2		
(S) (R)	R	14-I			908	2450 L
			50.2	66.6		
(R) (R)	MR	20-I			933	3632 L
			48.4	67.4		3732

		DATES			
		HEADING		FULL	PLA
		1ST	FULL	RIPE	HT (IN.
997	BS75A1-57-3-10-1, CI9214x (106) (CP231xCI9122) (6347) CI4544 selection	8/10	8/19	9-6	46
				(100)	
998	BS93A9-2-1, Belle x (107) [(CP231/3xBBt)/2xPI215936] (6452) (V short only 65 cm in Putnam obs in '63 & 0 early)	7/31	8/5	F-30	45
				(93)	
999	BS93A9-5-2, Belle x (108) [(CP231/3xBBt)/2xPI215936] (6459)	8/2	8/9	F-30	45
				(93)	
1000	BS93A9-7-1 (109) (6469)	8/1	8/9	9-1	44
				(95)	
1001	VEGOLD (110) (106)	8/5	8/14	9-5	48
				(99)	
1002	PALMIRA (111) (Pio. Sel.)	8/9	8/20	9-7	49
				(101)	
1003	BS93A9-20-2 (112) (6512) (V long row in '62)	8/10		9-5	46
				(99)	
1004	BS93A10-3-2 (113) (6530)	8/3	8/15	9-3	45
				(97)	

Blast R-1 / R-6	Str Hd HB	Ind-alk 62 / 63	Buret 62 / 63	Wt.		
(R) (R)	(MR)	17 I		1043		L
			52.8	68.2	4172	
	(R) (2) S	16-4/I		880		L
			58.8	69.0	3520	
	(R) (7)	18-4/I		896		L
			63.2	70.5	3584	
	(R) (5)	10-4/I		1022		L
			54.7	67.2	4088	
				969		L
			45.8	69.9	3876	
				1006		M
			54.5	69.8	4024	
	(R)	13-4.7		912		L
			35.4	70.2	3648	
		26-I		951		L
			32.4	68.7	3804	

		DATES		
		HEADING 1ST	HEADING FULL	FULL RIPE
1005	B593A10-5-1, Belle x (114) [(CP231/3xBBt(2)x PI215.906] (6545) (a chalky med-sp, short ht, busy in '62)	8/2	8/16	9-5 (99)
1006	B593A10-14-3, (201) (6566)	8/10		9-8 (102)
1007	B593A10-24-3, (202) (6579) (Looks like Belle, non-pr, v good in '62) (Velvet ht (65cm) v early in col in '63)	8/6	8/20	9-6 (100)
1008	B593A10-25-2, (203) (6582)	8/3	8/13	9-8 (97)
1009	B593A10-29-1, (204) (non pr row, rather tall, flops drop but good) (6606) (Velvet ht (65cm), v early in col in '63)	8/4	8/15	9-5 (99)
1010	B593A10-37-6, (205) (6633) (v busy row, sturdier stem than Belle in '62)	8/5	8/13	9-4 (98)
1011 Extra	B593A11-1-3, (206) (6643) (Velvet ht, very good in '62)	8/1	8/9	8-31 (94)
1012	B593A11-7-3 (207) (Belle ht, gold, Very good in '62) (6658) (Velvet ht (65cm), v early in col in '63)	8/1	8/10	8-31 (94)

Blast	Blend	2nd alk	Burnt			
R-1 / R-6	HB	62 / 63	62 / 63	Wt.		
	(R) (6)	15-I		805		L
			32.9	68.3	3220	
	(S)	19-I		537		L
			40.8	69.5	2148	
	R	16-I		687		L
			37.3	68.8	2748	
		14		909		L
			32.1	69.7	3636	
	R	10-I		773		L
			32.8	68.2	3092	
	(R) any	22-I		1065		L
			36.6	70.4	4260	
		7-I		953		L
			62.2	69.6	3812	
	(R) R	27-I		850		L full
			64.0	69.7	3400	

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
1013	BS93A11-13-3, Belle x (208) [(CP231/3x BBT)/2x PI 215936] (6677)	8/1	8/7	8-30 (93)	45
1014	BS93A11-14-3, (209) (Fad like Belle in '62, good canner) (6681) (V short ht (65cm) in Col in '63, V early)	7/31	8/6	8-29 (92)	48
1015	BS93A11-15-3, (210) (6684) (V short ht, prod., V good in '62) (V clean texture in '62)	8/1	8/7	8-31 (94)	44
1016	BS93A11-25-2 (211) (6714)	8/4	8/18	9-5 (91)	47
1017	BS93A11-30-1 (212) (6726) (Shorter ht than Belle, V good, good shorter in '62)	8/1	8/8	8-27 (92)	45
1018	BS93A11-38-3 (213) (V long row, Belle type, V clean texture, slt taper in '62) (6747) (V short ht (65cm), V early in Col in '63)	8/1	8/7	8-29 (92)	46
1019	BELLE PATNA (214) (Fd.)	8/1	8/9	8-30 (93)	48
1020	BS93A17-2-3 (301) (6753) (Contracted ½ row, V long, slt shorter ht than Belle in '62)	8/6	8/19	9-7 (101)	39

Blgst R-1 / R-6	Str. Rd HB	2d-alk 62 / 63	Buret 62 / 63			
				2nd		
	(R) (6)	18-I		1035		L
			54.7	69.7	4140	
	(R) (3) R	24-I/L		931		L
			64.5	70.3	3724	
	(R) (5)	45-L		912		L
			62.3	71.0	3648	
	(R)	44-L		94.6		L
			45.6	69.5	3784	
	(R)	27-I		866		L
			62.2	70.3	3464	
	S	(19-L)		1007		L
			60.1	69.8	4028	
				831		L
			62.2	71.0	3324	
		16-I		466		L
			57.0	68.8	1864	

		DATES			
		HEADING		FULL	R
		1ST	FULL	RIPE	
1021 Hv 8-30	B593A17-13-2, Belle x (302) (CP231/3 x BBt)/2 x PI215,936 (6774) (V short ht + V early in Col in '63) (Clear texture in '62)	8/4	8/16	9-1 (95)	4
1022 Hv 8-30	B593A17-16-1, (303) (6779) (V short ht, v early in col in '63) (among v best in '62, short ht, small stems, good	8/3	8/13	9-1 (95)	4
1023 Hv 8-30	B593A18-1-2, (304) Tall + wk straw (6784) (Short ht, good, bad for wh-eye)	8/2	8/13	9-1 (95)	4
1024	B593A18-3-2, (305) (6806)	8/1	8/13	9-1 (95)	4
1025 cut Hv 8-30 Hv Extra	B593A18-19-3, (306) v heavy good ~~rather~~ wk straw like Belle (6838) floppy drop like Belle (V short, V early in Col in '63) (V heavy Belle type row in '62	7/21	8/2	9-1 (95)	
1026 Hv. 10-8	B593A18-21-1, (307) late plot. (6843) (outstanding texture in '62, good shape)	8/19			48
1027 Hv 8-30	B593A18-24-2, (308) (6850)	8/1	8/8	8-31 (94)	48
1028 ~~Out good~~ Hv 8-30 Try in Hi N	B593A21-13-1, (309) Excellent plant type, short ht almost a med-gr.-length (6903) (V short in '62, med-gr bad wh eye)	7/30	8/6	8-31 (94)	

Blast R-1 / R-6	Mt Hd / HB.	2nd-elk 62 / 63	Burnt 62 / 63			
				Wt.		
	R	23-I		929		L
		61.8	69.3			
					3716	
	(R) R	18-I		819		L
		63.2	69.8			
					3276	
	(R)	17-I		862		L
		62.3	21.0			
					3448	
	S	10-I		disc.		L
	R	18-I		848		L
		54.2	69.5	1131 (2d)		
					3392	
	S	15-I		695		L
		38.5	65.6			
					2780	
	S	27-I		908		L
		61.0	70.2			
					3632	
	(R)	18-I		870		ML
		60.9	70.2	981 (2d)		
					3480	

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
1029	BS93A21-16-3, Belle x (310) (CP231/3xBBt)/2xPI215,936 (6914)	8/3	8/14	9-1	32
W 8-30	(V hvy Belle type row, bold for wh. ear)			(95)	
1030	BS93B6-4-2, (311)	7/31	8/8	8-31	49
H 8-30	(6923) (V hvy Belle type row, Tall, autotet, texture + shape in '62)			(94)	
1031	BS93B6-16-1, (312)	8/4	8/12	9-10	86
H 9-9	(med-gr, almost a ratoon, much chalk in '62) (6953) (V early + V short in Col in '63)			(104)	
1032	BS93B6-17-3, (313)	8/1	8/8	9-2	47
167 9	(A V hvy med-gr in '62, V elon texture) (6958) (V early + V short in Col in '63)		(med-gr.)	(96)	
1033	BS93B6-21-3, (314)	8/2	8/13	9-5	49
Hv 9-9	(Excellent row, V hvy, Belle lit, ~~med-grain~~) (6971) (V early + V short in Col. in '63)			(99)	
1034	BELLE PATNA (401)	8/4	8/20		46
	(FA)		Irregular due to low V hvy Growth		
1035	BS81A6-698-1 (CP231/3xBBt)/2 (402) x PI215,936 (6970)	8/12	8/20	9-8	47
Hv 9-9	(V early, V hvy, tall, gold, Belle mat in '62)			(102)	
1036	HONEN-WASE (403)	8/6	8/13	9-6	38
Hv 9-9	(9475)			(100)	

Beast	Hr Hd	2nd alb	Burnet			
R-1 / R-6	HB	62 / 63	62 / 63			
	S	16-I		962		L
		62.6	71.2		3452	
		40-I		945		L
		60.1	69.5		3780	
	R	15-L		1016		ML
		31.0	62.0		4064	
	R	45-W		1019		ML
		38.3	68.0		4076	
	(R) R	17		1175		L
		52.8	69.8		4700	
				—		L
	(S)	54-W		843		L
		55.2	68.8		3372	
	R(a)	71-W		899		S
		59.9	73.2		3596	

		DATES			
		HEADING		FULL RIPE	
		1ST	FULL		
1037	KOSHIDI - WASE (404) (9477)	8/7	8/13	9-6 (100)	32
1038	GUINMASARI (405) (6479) (V shat + Vearley in Col in '63)	8/9	8/16	9-10 (104)	46
1039	ALLORIO PI 244,080 (406) (9557) (Was a very early Bold grain in '62)	7/24	8/2	8/18 (81)	—
1040	ALLORIO PI 244,080 (407) (9557)	7/24 Lodged 8	8/2	8/18 (81)	—
1041	B5319A1-7-2-2, CP231x PI 8970 (408) (539)	8/2	8/9	9-3 (97)	52
1042	Sel.-24, Cody x PI 160,878 (409) (8415) (common endosperm)	9-9		Rough	
1043	Possibly Nato? (410) (634)	8/14		9-12 (106)	51
1044	PALMYRA (411) (Yellow Seed)	8/9	8/20	9-7 (101)	51

Blast R-1 / R-6	Str. Bd H.B.	Ind-alk 62 / 62	Buret 62 / 63			
	R(0)	12-h		902		S
		61.4	72.5		3608	
	R(0)	66-h		1041		S
		60.7	72.0		4167	
				590		M
		60.6	70.3	722 (2d)	2360	
				687		M
		61.3	70.2	652 (2d)	2748	
		76/H				
		5				M
		53.6	69.7			
		80/4 hr	37			M
		48.0	70.3			
						M
				dis.		

		DATES			PL
		HEADING		FULL	H
		1ST	FULL	RIPE	(IN
1045 Av 9-9	B574A1-1-3-3, CI9214 x (412) CI9383 (501)	8/6	8/5	9-4 (98)	4
1046 Av 9-9	B574A1-48-3-2-2, (413) (509)	8/9	8/20	9-2 (96)	46
1047 Av 9-9	B574A1-56-1-6-1 (414) (512)	8/5 short hd, v uniform	8/15	9-4 (98)	44
1048 Av 10-8	B581A6-17-1-2 (CP231/3 x BBt)1/2 (501) x PI215,936 (7711) (columbia liked this sel in '62, v sl wrlong) (7713 a sister sel was S to HB in Col in '63)	8/19 v poor due to location (lod			4
1049 Av 9-9	VEGOLD (502) (106)	8/7	8/19	9-6 (100)	48
1050 Av 10-8	B581A3-59-2-2 (503) (7656)		8-30		46
1051 Av 10-8	B581A3-8-3-3 (504) (7634) (med-gr, med slender, dull in '62)	8/20			42
1052 Av 10-8	B581A1-13-2-3 (505) (7631)	8/18			44

Blast R-1 / R-6	Str/H / HB	Ind/AHR 62 / 63	Bit 62 / 63			
	(R)	27/I	38	980		L
		44.0	69.5		3920	
	(R)	29/I	35	959		L
		55.2	69.6		3836	
	(R)	25/I	33	930		L
		53.8	68.8		3720	
	(MR) (Reg) prchS	27-I		388		L
		40.8	65.6		2752	
				906		L
		55.4	70.8		3624	
	(MR)	25-I		925		L
		40.5	66.6		3700	
	(MR)	19-I		814		L
		35.2	63.8		3256	
	(MR)	12-I		1009		L
		43.1	66.5		4036	

		DATES			
		HEADING		FULL	
		1ST	FULL	RIPE	
1053	B586A5-1-2-1, BBtSO x PI215,936 (506) (7619) (Volunt hit in '62, about 6 bu)			9-4	45
Hv-10-8					
1054	B5818A15-101-2-2, Gulfrose (sib) x PI215,936 (507) (7576)	8/13		9-10	4
H-9-9				(104)	
1055	B5818A15-101-2-1 (508)	8/14		9-8	4
Hv 9-9	(7575)			(102)	
1056	B5818A15-15-2-1 (509)	8/10	8/18	9-9	45
Hv 9-9	(7445)			(103)	
1057	COLUSA (510)	8/9	8/14	9-6	4
Av 9-9	(1)			(100)	
1058	B574A1-81-4-5-1, CI9214 x CI9383 (511)	8/9	8/16	9-4	4
Hv 9-9	(515)			(98)	
1059	B575A140-4-4-3, CI9214 x (CP231 x CI9122) (512)	8/4	8/13	9-3	48
Hv 9-9	(520)			(97)	
1060	B575A1-21-3-6-1, CI9214 x (CP231 x CI9122) (513) (522)	8/6	8/14 (v. lg. gr.)	9-3	49
Av 9-9				(97)	

Blast R1 R-6	Strdl HB	2d alk 62 63	Burst 62 63	Agraph amp%		
	(neg) (1) S	52-L			853	L
			43.2	68.4	3412	
	(neg) R	47-L			992	M
			58.7	69.7	3468	
	(neg) R	39-L			1117	M
			51.3	71.9	4462	
	S (OS)	55-L			1191	M
			63.3	72.0	4764	
					998	S
			63.8	23.6	3992	
	R	22/I	37	+10 -10	1034	L
	Agraph = +10 -10					
			40.9	71.0	4136	
	neg	22/I	36		1138	L
			56.8	69.5	4552	
	neg	19-I	35	+9.0 +10	866	L
			38.2	68.9	3464	

		DATES			
		HEADING		FULL	PLA HT (IN.
		1ST	FULL	RIPE	
1061	BS75A1-21-5-3-2 CI9214 x (CP231 x CI9102) (514) (523)	8/9	8/19	9-6 (100)	47
Hu 9-9					

Blvet	Oh Hd	2d-alk	Buret	Agraph
R-1 / R-6	HB	62 / 63	62 / 63	amf 90
	(MS)	14-I	36.	190 / 780

SEED INCREASE 1963

SOWN: NORTH TO SOUTH

BLOCK	VARIETY	No. of Rows
15W, S5	Calif. Sel. No. 10 (8406)	14
15W, S5	Calif. Sel. No. 24 (8416)	14 GLUT.
17W, S5	B575A1-26-4 (102)	16
17W, S5	B574A1-36-2 (103)	16
17W, S5	B575A1-21-5-1 (105)	16
17W, S5	B575A1-57-5 (114)	14
21E, S5	TAICHUNG 176 PI. 275429 (8754)	20
21E, S5	TAICHUNG NO. 1 PI. 271672 (8834)	8 V. FEW PLANTS EMERGED

Block	VARIETY	No. of Rows
22E, S5	TAICHUNG No. 1 (8834)	8 V. Few PLANTS
22E, S5	PI. 275423 (8741)	20
7E, S5	Calif. Sel. No. 18 (8709, 10)	14 GLUT. Some 150-200 samples for breeding Some earliest plants, maybe segr. for maturity.
7E, S5	CROWLEY - 7362 (8619)	14 GLUT.
4W, S4	NO. 640 (ITALY) (860-171)	8
4W, S4	BERTONE PI. 248, 519 (Italy) (860-172)	8
4W, S4	R-82 PI. 248, 522 (Italy) (860-173)	8
4W, S4	NOVENTA PIAS COLORADO PI 242.806 (BOLIVIA) (860-278)	8

Block	Variety	No. of Rows			
44w, S4	ALLORIO Pt. 244, 080 (Italy) (B60-284)	6			
45w, S4	B589A18-77-1 Desc (581)	6			
45w, S4 Hv-10-24	B571A1-18-3-1 Pave (650)	6			
45w, S4 Hv 10-24	B573A1-5-8-3 Pave (659)	6			
45w, S4 Hv 10-24	B581.3A8-10-1 Pave (687)	6			
45w, S4	B579A2-28-2 Pave (707)	6			
45w, S4	B581A6-473-2 (254)	8			
43w, S4	B515A1-55-5-3-2-2 (36)	2			

Block	Variety	No. of Rows
43w, S4	B589A1-56-1-2 (2856)	2
43w, S4	B589A 9-16-3-BK (3532)	2
43w, S4	B589A 3-82-3-2-76 (4107)	1
43w, S4	B589A 3-35-3-4-8 (4641)	1
43w, S4	B589A 4-27-5-4-BK-2 (4214)	2
43w, S4 v-10-17	Calif. 5563A1 (8503)	2 GLUT.
43w, S4 v-10-17	Calif. 5564A2 (8515)	2 GLUT.
43w, S4 HW 10-24	Calif. 5529A1 (8532)	2 GLUT.

Block	Variety	No. of Rows		
43n, S4 Hv 10-24	Calif. 5529A3 (8535)	2 Glot.		
43n, S4 Hv 10-24	Calif. 5529A4 (8538)	2 Glot.		
43n, S4 Hv 10-24	B589A4-23-3-2 (8965)	2		
43n. S4 Hv 10-24	Calif. 5565A2 (8526)	1 Glot.		

Check out the following nos.

596				
597				
598				
600				
601				
602				
727				
728				
729				
730				
731				
732				
733				
781-789	? Coors			
815	"			
827	"			

grind list

E/D/I/MS

MG

I

MS

S

hea color

D

MD

ML

L

VL

hea wrdtl

N

MN

I

MW

W

VW

Blendlist

VS

S

MS

I

MI

I

WEERAPAT 35

check 587 + 699 (are they both 808

62-9580, check sample, was there an error in sdg, listed as RBt 50 type for grain,

---

928 & 929 Cross with dwarfs + Rex, + TP 49 is R to str Hd

---

check origin of 897 (B62-8014 – corrected

919 = bad wh tip

---

917 is good to cross with 9545 et al + long-grain dark green B572A3-47 line

---

956 Cross with RBt 50 & 996

---

959 check A graph, V good pan for pollen

964 check A graph

981 check A graph or 982

983 check A graph

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION

COTTON AND CORDAGE FIBERS FIELD NOTES

CR FORM 12
MAR 1958

If this notebook is lost, will finder please mail to:

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION
PLANT INDUSTRY STATION
BELTSVILLE, MARYLAND

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

COTTON AND CORDAGE FIBERS

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (*a*) Methods (*b*) Dates
5. Size of plot:
   (*a*) Area in square feet (*b*) Number of rows
   (*c*) Length of rows (*d*) Width of rows
6. Fertilizer: (*a*) Pounds per acre
   (*b*) Analysis (N–P–K) (*c*) Time of application
   (*d*) Method of application (*e*) Side dressings
7. Planting: (*a*) Date (*b*) Rate (*c*) Method
8. Thinning: (*a*) Date (*b*) Method (*c*) Approximate optimum spacing attempted
9. Cultivation: (*a*) Implements used (*b*) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pound is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seeding vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seeding vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests.
   (*a*) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35–7. (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
   (*b*) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, or any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

U. S. GOVERNMENT PRINTING OFFICE. 16—61780-3

Plant type notes taken June ~~28~~ 26-28.

Four designations as to plant type and growth behavior were ~~taken~~ recorded

1. First note refers to growth habit of leaves
   E = erect; I = Intermed; & S = spreading
   These notes refer primarily to leaf behavior rather than stems.
   M = medium (ME; MS; etc)
2. Refers to leaf color
   D = dark green; MD = med-dark gr.
   L = light green ML = " light.
   I = Intermediate.
3. Width of leaves
   N = narrow; W = wide
   MN = med-narrow, etc
   I = Intermediate
4. Vegetative height
   T, I, (S = Short); T = Tall; I = Intermed

1/2/3/4

E/MD/MN/S, M, T, etc

Sown: 4-24 with Group I U.Y.N.

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	FULL RIPE	
	B589A 18-12-1	521	7-14	7/25		45
301	BGT-50/3 X Gulfrose	623	7-15	7/25		43
	Vlg Mex	731	7-15	7/26		54
Hv 8-16	(576)	825	7-15	7/25		56
	ME-E/I+/I+/MT		7-15 (short hts, cd '63)		8-16 (114)	48
	B573A 1-5-12-3	522	7/20		8-20	47
302	PI 215,936 X PI 9462	632	7/20	8/1		47
Cut gd		722	7/20			54
Hv 8-21 extra	(660)	834	7/22	8/3		53
	ME/MD/I-/M		7-21		8-20 (118)	50
	B573A 3-2-1-2	523	7/23		8-28	44
303		637	7/23			45
		727	7/24		8-29	49
Hv 8-30	(663)	822	7/24		8-29	49
	MS/MD/I-/MS		7-24		8-29 (127)	47
	B573A 3-2-7-3	524	7/26		8-28	47
304		631	7/29			45
		734	7/28			49
Hv 8-30	(664)	827	7/28		8-29	51
	ME/MD/I+/M		7-28		8-29 (127)	48
	B573A 3-6-2-1	525	7/21	7/31	8-20	50
305		629	7/21	7/30		50
Hv 8-21		728	7/20	8/1		53
	(665)	831	7/21	8/1		53
	MS/MD/I-/M+		7-21		8-20 (118)	51

NOTES →

Lodg	Stand	2nd fgal	Bulget	Yields			
	HB			Grams	Lbs/A	Bu./A	
90		62 / 63	62 / 63				
	(R)			1283			ML
	(R)-R / R 56½	37/L	37.0	1132			
			70	1243			
			Head Total	1211			
			68.5 71.8	4869	4869	30.1	
5%							
	(R)	28½		1322			LM
	aeg	20/L	39.0	1279			Slu
				1160			
			68.3 71.3	1250			
0%				5011	5011	30.9	
	(R)	29½		1363			M
		23.5/L	43.0	1460			
				1448			
			61.3 69.6	1461			
0%				5732	5732	35.4	
	(R)	24½		1218			M
	(R)	16/L	48.0	1144			
				1254			
			66.8 70.0	1256			
0%				4872	4872	30.1	
	(R)	34½		1287			M
		33/I	43.0	1351			
				1470			
			64.1 72.1	1340			
0%				5548	5548	34.2	

SOWN: 4-24 WITH GROUP

B589A 18-12-1 Tall + sl like that #13 +
301 BOT-50/3 X GULF 605 longer grain, discard.
V long [illegible]
(575)
ME-E/I+/I-

B573A 1-5-12-3 Wood hd + sl taller, long
302 PI 215,936 X CI. 9462 V uniform, rather long for a med gr. but plump + should have excellent appearance when milled. (Waite) Excellent
Cut gd (660) straw (I type)
Extra
ME/MD/I-

B573A 3-2-1-2 Sparse panicle, gr apex
303 gelatinized, (disc?)
(663)
MS/MD/I-/

B573A 3-27-3 like 303, disc
304
(664)
ME/MD/I+

B573A 3-6-2-1 V long, chalky grain, rather wide
305 leaf but V good pl type, gold
(665)
MS/MD/I-/

		YIELDS			
		GRAMS	LBS/A	BU./A	Crop Log
		1283			ML
		1132			
		1243			
		1211			
		4869	4869	30.1	
	1668	1322			LM
	1454	1279			Sh
	1194	1160			
	1502	1250			
		5011	5011	30.9	
		1363			M
		1460			
		1448			
		1461			
		5732	5732	35.4	
		1218			M
		1144			
		1254			
		1256			
		4872	4872	30.1	
		1387			M
		1351			
		1470			
		1340			
		5548	5548	34.2	

			DATES			
			HEADING		FULL RIPE	PLANT HT. (IN.)
			1ST	FULL		
	B573A4-11-4-2	526	7-18	7/31	8-20	46
306	PI.215,936 X C.I.9402	635	7-18	7/31		46
		738	—	8/2		52
Hv 8-21	(666)	833	—	8/1		49
	MS/I/I/I+		7-18		8-20 ⑱ (118)	48
	B573A4-20-6-1	527	7/21		8-28	42
307		625	7/22		8-28	42
		736	7/23			43
Hv 8-30	(667)	821	7/22			45
	ME/D/N+/S+		7-22		8-28 (126)	43
	CP-231 TETRAPLOID	528	7/27	8/3	8-21	49
308		633	7/22	8/3		48
		729	7/23	8/3		57
Hv 8-21	(685)	823	7/24	8/3		53
	MS/L+/I/M+		7-23		8-21 (119)	52
	B5813A8-3-3	529	7-18	7/25		47
309	PI.215,936 X LAC.	626	7-18	7/25		46
		724	7-17	7/27		50
Hv 8-16 Extra	(686)	836	7-18	7/26		50
	ME/D/I+/MT		7-18		8-16 (114)	48
u/N.	B5818A15-15-2-3	530	7-12	7-13 }	8-13	45
310	Gulfrose x PI 215,936	638	7-12		8-12	44
cut guard I		737	7-12		8-13	47
	(7447)	826	7-12		8-13	48
	MS/MD/I-/MT		7-12		8-13 (111)	46

[illegible] to this Group I [illegible] 16 [illegible]

In 1962 was entered thresh, clean grain [illegible] med cylindrical grain, was a good [illegible]

Lodg.	Shat HB	2nd Blight C2 G3		YIELDS GRAMS	LBS/A	BU/A	
	(MS) R	12/L 8/L	40.0	1414			M
				1232			
				1318			
			58.9 73.1	1249			
				5213	5213	32.2	
	(R)	27/L 27/L	35.0	1444			M
				1380			
				1495			
			65.7 71.7	1603			
					5922	36.6	
		14/I 16/I	32.0	1242			ML
				1051			
				1186			
			61.2 68.4	1017			
					4496	27.8	
	(R) (R)	35/L 32/L	39.0	1423			M
				1476			
				1416			
			69.9 72.4	1297			
					5612	34.6	
	(S) (O)	51/L 32/L	35.0	1489			M
T.W				1609			Smut
T.W				1597			
T.W			68.5 71.2	1491			
T.W					6186	38.2	

B573A4-11-4-2
306 PI.215,936 X CI.9402 pr apex, short, sparse pan
good pl type, question yield,

H.V.S-21
(666)
MS/I/I/

B573A4-20-6-1 v short ht, bearded med-gr
307 v heavy, gold, promising
v slow dk. black

H.V.S-39
(667)
ME/D/N+/

CP-231 TETRAPLOID v heavy CP 231 pl type
308 Excellent CP plot, promising
v fuller than CP-

H.V.S-21
(685)
MS/L+/I/

B5813A8-3-3 pr apex, v heavy, bold grain
309 PI.215,936 X Lac.

H.V.S-16
Ester
(686)
ME/D/I+/

B5818A15-15-2 v promising, v early, med-gr, short
310 Gulfrose x PI 215,936 ht, v uniform & reasonably standing
cut grain to a sel of this type.

(7447)
MS/MD/I+/M

		YIELDS			
		GRAMS	LBS./A	BU./A	
		1414			M
		1232			
		1318			
		1249			
		5213	5213	32.2	
		1444			M
		1380			
		1495			
		1603			
			5922	36.6	
		1242			ML
		1051			
		1186			
		1017			
			4496	27.8	
		1423			M
		1476			
		1416			
		1297			
			5612	34.6	
gd. wt.	1694	1489			M
	2040	1609			Small
	1993	1597			
	1988	1491			
	7715 grams		6186	38.2	

			DATES			PLANT HT. (IN.)
			HEADING		FULL RIPE	
			1ST	FULL		
	B5818A15-14-3	531	7-12 S	7/29	8/13	47
311	GULFROSE X PI 215,936	621	7-11 S	7/29		46
		726	7-12 S	7/30		49
H.S. 8-16	(697)	828	7-12 S	7/30		50
	MS/MD-/I+/I-		7-12		8-13 (111)	48
	B5818A15-20-2	532	7-13	7/27	8-13	44
312		636	7-13	7/27	8-13	40
Ester		739	7-16	7/23	8-15	45
H.S. 8-16	(698)	838	7-16	7/23	8-15	44
	MS/ML/I+/I-		7-15		8-14 (112)	43
	B5818A15-23-2	533	7-13 S	7/28	8-13	46
313		639	7-13 S	7/28	8-13	46
H.S. 8-16		735	7-13 S	7/28	8-13	48
	(702)	837	7-13 S	7/28	8-13	50
	MS/ML/I-/MT		7-13		8-13 (111)	48
	B5818A15-107-2	534	7-13	7/25	8/14	45
314		627	7-13	7/23		43
		725	7-13	7/26		49
H.S. 8-16	(704)	832	7-15	7/25	8-15	47
	ME/MD/MN/M+		7-14		8-15 (113)	46
	B5818A15-108-1	535	7-18	7/29		45
315		622	7-18	7/31		42
		733	7/20	8/1	8-18	48
H.S. 8-16	(705)	830	7-14	7/31	8-18	49
	MS/ML/I-/I-		7-19		8-18 (116)	46

Stubble / HB	2nd/ack 62 / 63	Bucket / 63	YIELDS GRAMS	LBS./A	BU./A	
(R-S) / (MR)	65/Rossmash 35/L	42.0	1432			M
			1379			
			1507			
		69.6 73.0	1423			
				5741	35.4	
(MS) / (R)	58/L 34/L	42.0	1521			M
			1491			
			1421			
		67.4 72.8	1333			
				5766	35.6	
(R-S)	51/L 30/L	40.0	1244			M
			1284			
			1360			
		65.4 71.0	1134			
				5022	31.0	
(S)	57/L 33/L	39.0	1469			M
			1328			
			1516			
		71.2 72.8	1413			
				5726	35.3	
(MS)	40/L 33/L	40.0	1392			M
			1404			
			1337			
		64.6 69.0	1345			
				5478	33.8	

311	Hv8-16	B5818A15-18-3 GULFROSE × PI 215,936 (697) MS/MD-/I+/	V hvy, lower leaves die back sl willowy
312	Extra Hv8-16	B5818A15-20-2 (698) MS/ML/I+/	Hvy V early plot; short ht watch, as early as 310
313	Hv8-16	B5818A15-23-2 (702) MS/ML/I/	Taller than 310 or 312, Hvy, straw is more willowy, green straw
314	Hv8-16	B5818A15-107-2 (704) ME/MD/MN/	Short ht, more willowy char. of japonica than 310 & 312, V hvy.
315	Hv8-16	B5818A15-108-1 erect flag (705) MS/ML/I-/	Too leafy, erect flag, some sterility, lower leaves die back, Sl. or neither a long beard present.

	YIELDS		
GRAMS	LBS./A	BU./A	
1432			M
1379			
1507			
1423			
	5741	35.4	
1521			M
1491			
1421			
1333			
	5766	35.6	
1244			M
1284			
1360			
1134			
	5022	31.0	
1469			M
1328			
1516			
1413			
	5726	35.3	
1392			M
1404			
1337			
1345			
	5478	33.8	

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	FULL RIPE	
	B579A2-2B-2	536	7-15	7/23	8-13	62
316	BBT-50 X GULFROSE	628	7-15	7/22	8-14	50
		721	7-14	7/23	8-14	59
Hv 8-14	(707)	824	7-14	7/23	8-14	57
	MS/ML/MW/T		7-15		8-14 (112)	54
	STG 566576	537	7-19	8/1	8-21	52
317		630		7/29		48
Hv 8-21						
	(STG 10-7)					
	MS/MD-/MW/T		7-19		8-21 (119)	50
	STG 571940-10	732	7/25	8/4	8-27	54
318		835	7/26		8-28	55
Hv 8-30	(STG 11-6)					
			7-26		8-28 (126)	55
	GULFROSE	538	7-15	7/25	8-13	53
319	CI. 9416	634	7-14	7/24	8-15	49
		723	7-14	7/23	8-14	56
Hv 8-12	(Ga. Seed)	839	7-15	7/24	8-14	48
	MS+/ML/MW/VT		7-15		8-15 (113)	52
	RR X322A6	539	7-3	7-10	7/28	49
320		624	7-2	7-10	7/28	42
Hv 8-1						
	(Ga.)					
	MS/ML/MW/T+		7-3		7-28 (94)	45

	Stalkd / HB	2nd/Ahk. 62 / 63	Bierd / 63			YIELDS	
Grade					GRAMS	LBS/A	BU/A
)	(S) /	77/L PINK / 54/L	/ 39.0		1119		
					1248		
					1211		
			70.4	72.8	1211		
0 %						4789	29.6
)		/ 45/L	/ 38.0		1486		
					1454		
					2990		
			62.2	70.4	x 2		
0 %						5980	36.9
)		/ 50/L	/ 42.0		1495		
r					1394		
					2889		
			67.2	69.8	x 2		
Tr						5778	35.7
90		/ 27/L	/ 38.0		1213		
20					1400		
80					1453		
15			67.5	72.0	1925		
51%						5991	37.0
75%		/ 50/L	/ 34.0		1158		
					1259		
					2417		
			66.5	72.7	x 2		
19%						4834	29.8

B579A2-28-2 good set, v good but too tall

316 BBT-50 X GULFROSE Disc, acct too tall

H6-8-14

(707)

MS/ML/MW

STg 566576 Nova appears 2 heavy

317 Northern maturity

H6-8-21

(STg 10-7)

MS/MD-/M

STg 571940-10 lodged badly, tall, late

318

H6-8-30 (STg 11-6)

GULFROSE

319 CI. 9416 V uniform plot good and once

acted in G.R. plots but too tall

H6-8-12 (Br. Seed) & too fragile straw

MS+/ML/MW

RRX322A6

320

H6-8-1

(Co.)

MS/ML/MW+

	YIELDS		
GRAMS	LBS/A	BU/A	
1119			M
1248			
1211			
1211			
	4789	29.6	
1486			M
1457			
2990			
x 2			
	5980	36.9	
1495			M
1394			
2889			
x 2			
	5778	35.7	
1213			M
1400			
1453			
1925			
	5991	37.0	
1158			M
1259			
2417			
x 2			
	4834	29.8	

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	FULL RIPE	
	CLEAR STRAIN	730	7-17	7/28	8-16	54
321	NATO	829	7-17	7/29	8-16	54

4-8-16

(Co.)
MS / MD- / MW- / VT 7-17 — 8-16 (114) — 54

	G2 I/A G3	Bunch G3			YIELDS		
				GRAMS.	LBS/A	BU/A	
	56/L	35.0		1279			
15				1225			
				2504			
		68.1	72.2	X 2			
19%					5008	30.9	

CLEAR STRAIN
321 NATO

H.S.-16

MS/MD-/M (Cuo.)

	YIELDS		
GRAMS.	LBS/A	BU/A	
1279			M
1225			
2504			
x 2			
	5008	30.9	

SOWN: 4-24 WITH GROUP II U.Y.N.

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B515A1-55-5-3-2-2		541	7-20			43
322 CP-231 X PI. 184,812		647	7-21			40
		752	7-20			44
Hvst 8-21 Ettus	(36)	856	7-21			45
VE/L/MN/I			7-21		8-21 (119)	43
B572A3-47-5-1P		542	7-18			36
323 PI 215,936 X CI. 9214		656	7-18			36
		746	7-19			38
Hvst 8-21 Ettus	(38)	853	7-18			39
E/MD/MN/I			7-18	(shot hit, good yld, col '63)	8-20 (118)	37
B5489A4-2-2		543	7-17		8-20	47
324 CP 231/2 X CI 8970		644	7-16		8-20	46
		748	7-17		8-21	49
Hvst 8-27	(534)	842	7-17		8-20	49
MS/L/MN/VT+			7-17		8-20 (118)	48
B5534A3-7-3		544	7-18			45
325 CP 231/2 X CI 8970		652	7-18			43
		743	7-18			46
Hvst 8-21 Ettus	(536)	855	7-18			45
E/MD/I/MT			7-18		8-20 (118)	45
B593A18-13		545	7-18			46
326 B.P. X [(CP-231/2 X 8870)/2 X PI. 215,936]		643	7-17			47
Sg color		755	7-16			46
Hvst 8-21	(549)	850	7-18			47
ME/ML/MN/MT			7-17		8-20 (118)	47

						YIELDS		
		Round 63			GRAMS	LBS/A	BU./A	
	14/I / 8/I	32.0			894			L
					774			
R to rock	186				852			
		57.2	71.9		810			
0%						3330	20.6	
(R) (R) R	10/L 10/L	38.0			977			M
					991			
					1074			
		66.0	71.2		928			
0%						4020	24.8	
(MS)	10/I 11/I	32.0			1142			L
					1036			
					1023			
		59.1	68.4		967			
0%						4168	25.7	
(MR)	13/I 13/I	40.0			1209			L
					1040			
					1185			
		64.3	67.9		1172			
0%						4606	28.4	
	17/I 13/I	39.0			1089			L
					1074			
					1098			
		64.1	72.0		1026			
0%						4287	26.5	

SOWN: 4-24 WITH GROUP I

B515A1-55-5-3-22

322 CP-231 X PI. 184,812

(36)

VE/L/MN/I

B572A3-47-5-1P

323 PI 215,936 X CI. 9214

(38)

E/MD/MN/I

B548A4-2-2

324 CP 231/2 X CI 8970

(534)

MS/L/MN/VT

B553A3-7-3

325 CP 231/2 X CI 8970

(536)

E/MD/I/MT

B593A18-13

326 B.P. X [(CP-231/3 X BB 7)/2 X PI. 215,930]

(549)

ME/ML/MN/

	YIELDS		
GRAMS	LBS./A	BU./A	
894			L
774			
852			
810			
	3330	20.6	
977			M
991			
1074			
978			
	4020	24.8	
1142			L
1036			
1023			
967			
	4168	25.7	
1209			L
1040			
1185			
1172			
	4606	28.4	
1089			L
1074			
1098			
1026			
	4287	26.5	

			DA HEADING 1ST	DA HEADING FULL	F. L. RIPE	PLANT HT. (IN.)
	B589A3-35-3	546	7-24		8-23	44
327	DBT-5a/2 X GULFROSE	650	7-24		8-23	44
		749			8-23	45
	(553)	843			8-22	46
	ME/L/E/T-		7-24		8-23 (121)	45
	B589A3-50-1-2	547	7-22			47
328		657	7-21			45
		753	5			49
	(555)	859				49
	E/L/E/T-		7-22		8-2 (119)	48
	B589A3-52-3-4	548	7-21			46
329		655	7-22			46
		759	7-22			50
	(557)	844	7-22			47
	ME/L/E/T-		7-22		8-2 (119)	48
	CENTURY PATNA-231	549	7-19		8-20	44
330		648	7-18		8-20	44
		744	7-18		8-20	46
	(BR. Seed)	854	7-19		8-21	46
	E/ML/MN/T+		7-19		8-20 (118)	45
	B589A9-16-1	550	7-21		8-18	44
331	DBT-5a/2 X GULFROSE	645	7-21			48
		757	7-19			47
	(571)	841	7-20			49
	E/L/E/T	(short hit, col '63)	7-20		8-18 (116)	47

	StHd / HB	Iod/alk 62 / 63	Bire / 63		GRAMS	YIELDS LB./A	BU./A	
	/	16/I / 16/I	/ 35.0		872			L
					845			
					872			
			63.1	67.9	877			
0%						3466	21.4	
	Ⓡ / (R)	15/I / 15/I	/ 37.0		874			L
					846			
					945			
			60.7	68.6	955			
0%						3620	22.3	
	/ (R)	15/I / 15/I	/ 37.0		825			L
					847			
					943			
			50.2	70.5	893			
0%						3508	21.7	
	/	/ 58/I	/ 41.0		995			L
					971			
					1004			
			62.6	66.4	1117			
0%						4087	25.2	
	Ⓢ / (3) R	15/I / 17/I	/ 35.0		899			L
					1028			
					877			
			63.1	68.7	920			
0%						3724	23.0	

B589A3-35-3

327 BBT-5o/2 X GULFROSE

Hv 8-21

(553)

ME/L/E/T-

B589A3-50-1-2

328

Hv 8-21

(555)

E/L/E/T-

B589A3-52-3-4

329

Hv 8-21

(557)

ME/L/E/T-

CENTURY PATNA-231

330

Hv 8-27

(BR Seed)

E/ML/MN/T+

B589A9-16-1

331 BBT-5o/2 X GULFROSE

Hv 8-16

(571)

E/L/E/T (short

GRAMS	YIELDS LB./A	BU./A	
872			L
845			
872			
877			
	3466	21.4	
874			L
846			
945			
955			
	3620	22.3	
825			L
847			
943			
893			
	3508	21.7	
995			L
971			
1004			
1117			
	4087	25.2	
899			L
1028			
877			
920			
	3724	23.0	

			DATES			
			HEADING		FULL	PLANT HT. (IN.)
			1ST	FULL	RIPE	
	B581A6-17-1	551	7-17		8-21	42
332	(CP-25 1/3 X BBT) 1/2 X PI 215844	649	7-17		8-21	42
		756	7-16		8-20	44
	(627)	846	7-17		8-21	44
	E/ML/MN/I		7-17		8-26 (119)	43
	B581A6-181-1	552	7-16			32
333	Valued for	658	7-17			32
Extra		754	7-17			36
	(628)	858	7-17			33
	E/ML-ND/MN/MS		7-17		8-18 (116)	34
	B581A6-396-1-1-BK	553	7-18			41
334		641	7-17		8-19	41
		747	7-17			44
	(630)	851	7-17			43
	E/ML/MN/I (short lit, 62-163)		7-17		8-19 (117)	42
	B5331A2-19-10-1-2-2	554	7-18		8-17	45
335	BBT-50 X H010	653	7-18			41
		758	7-17			48
	(729)	847	7-16			45
	ME/L/I/MT-T		7-18		8-17 (115)	45
	B5331A3-15-2-1-2-2	555	7-18			47
336		646	7-19		8-17	47
		742	7-19			47
	(731)	857	7-19			47
	ME/ML/I/MT		7-19		8-17 (115)	47

Stubble HB	2nd/alk 62 / 63	Blast R-1 / R-2	Burst 62 / 63	GRAMS	YIELDS LB./A	BU./A	
(R) / (reg)	27/I / 21/I		36.0	1036			L
				1129			
				1097			
		55.8	69.0	1218			
0%				±	4480	27.7	
(R) / (R)	28/I / 23/I		39.0	917			L
				957			
				1080			
		59.6	68.7	935			
0%					3889	24.0	
(MS) / (R) reg	31/L / 22/L		43.0	883			ML
				952			
				995			
		64.9	72.2	965			
0%					3795	23.4	
/ R.& P.	23/I / 21/I	(R) / (R)	35 / 350	974			L
				901			
				1051			
		63.6	70.4	981			
6%					3907	24.1	
/	15/I / 14/L	(R) / (MR)	36 / 39.0	979			L
				993			
				918			
		67.1	71.4	970			
0%					3860	23.8	

B581A6-17-1
332 ((P-231/3 X BBT)/2 X P.I. 215936
HV 8-27
(627)
E/ML/MN/I

B581A6-181-1
333
v short lat
cross with Eng
R & HB v good
Extra
HV 8-21
(628)
E/ML-MD/MN/M

B581A6-396-1-1-B
334
H 8-21
(630)
E/ML/MN/I (

B5331A2-19-10-1-2-2
335 BBT-50 X Ho10
uYN
HV 8-16
EXTRA
(729)
ME/L/I/MT

B5331A3-15-2-1-2-2
336
uYN.
HV 8-16
(731)
ME/ML/I/MT

	GRAMS	YIELDS LB./A	BU./A	
	1036			L
	1129			
	1097			
	1218			
	L	4480	27.7	
	917			L
	957			
	1080			
	935			
		3889	24.0	
	883			ML
	952			
	995			
	965			
		3795	23.4	
	974			L
	901			
	1051			
	981			
		3907	24.1	
	979			L
	993			
	918			
	970			
		3860	23.8	

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	FULL RIPE	
	B5333A2-21-3-3-2-2	556	7-19			43
337	CP-231 X HO 341	659	7-19			42
Extra		751	7-19			44
H. 8-21	(735)	845	7-20			46
	E/MD/MN/MT		7-19		8-20 (118)	44
	B5335A2-9-3-1-1-3	557	7-19		8-18	29
338	BBT-50 X HO 341	654	7-18			36
Extra		745	7-19			45
H. 8-16	(736)	848	7-19			42
	E/L/I-MN/I+		7-19		8-18 (116)	41
	B5335A3-10-3-4-3-1	558	7-14			42
339		642	7-14		8-10	43
Extra		750	7-14			43
H. 8-14	(737)	852	7-13			42
	E/ML/MN/I+		7-14		8-16 (114)	43
	B5345A2-37-3-2-1	559	7-21		8-23	46
340	CP-231/2 X H012	651	7-20		8-23	44
N/N.		741	7-21		8-24	47
H. 8-21	(744)	849	7-21		8-23	47
	E/ML/MN/I+		7-21		8-23 (121)	46

Stand HB	2nd/Talk 62	2nd/Talk 63	Blast R-1	Blast R-6	Burst 62	Burst 63	GRAMS	YIELDS LB./A	YIELDS BU./A	
	21/I	21/I			37	40.0	1008			L
							906			
							1069			
			56.7		69.7		1031			
0%								4014	24.8	
	22/I	20/I	(2-3)	(1)	35	36.0	854			L
							798			
							983			
			62.8		71.1		856			
0%								3491	21.5	
	17/I	16/I	(5)	(MS)	34	39.0	1048			L
							1053			
							1142			
			63.9		68.8		1105			
0%								4348	26.8	
	10/I	10/I	(6)	(0)	35	36.0	1059			L
							1049			
							1148			
			57.6		68.0		1113			
0%								4369	27.0	

B5333A2-21-3-3-2-2

337 CP-231 X H0344

Extra

H. 8-21

(735)

E/MD/MN/MT

B5335A2-9-3-1-1-3

338 BBT-50 X H0344

Extra

H. 8-16

(736)

E/L/I-MN/I-

B5335A3-10-3-4-3-1

339

Extra

H. 8-16

(737)

E/ML/MN/I+

B5345A2-37-3-2-1

340 CP-231½ X H012

N.Y.N.

H. 8-27

(744)

E/ML/MN/I+

GRAMS.	YIELDS LB./A	BU./A	
1008			L
906			
1069			
1031			
	4014	24.8	
854			L
798			
983			
856			
	3491	21.5	
1048			L
1053			
1142			
1105			
	4348	26.8	
1059			L
1049			
1148			
1113			
	4369	27.0	

Sown: 4-23 with Groups III & IV UVN.

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	FULL RIPE	
	Stg 55552-15	1	7-22	8-1	8-24	54
341	Lac. X 2-Nira	2	7-22	8-1	8-25	54
	cr. 9454	5	7-22	8-1		52
	(Stg 19-15)	4	7-23	8-1		50
	MS/ML/I+/T-		7-22		8-25 (135)	53
	Asahi	2	7-31	8-7	9-7	46
342	cr. 8312	4	7-30	8-6		45
		1	8-1			44
Hv 9-6	(Stg 19-1)	5	7-31			42
	MS/MD/MN-/I-		7-31		9-1 (131)	44
	B572A3-47-6-3	3	7-26	8-3	8-27	49
343	Pk. 215,936 X cr. 9214	1	7-25	8-3	8-25	49
UVN		4	7-25			47
	(644)	3	7-26			47
	ME/D/I-/I+		7-26 (chart Pt+Col. 163)		8-26 (126)	48
	B572A3-47-9-1	4	7-26	8-2	8-22	45
344		5	7-27	8-6	8-24	41
		3	7-26			44
	(645)	2	7-26			42
	Seg. color? ME/D-/I-/I+		7-26		8-23 (123)	43
	B572A 3-47-13-1	5	7-27	8-2	8-24	40
345		3	7-26	8-2	8-24	42
		2	7-26			43
	(646)	1	7-26			38
	Seg. color?		7-26		8-24 (124)	40
	ME/MD/MN/I-					

Str Hd HB	2nd/alk 62	63	Blanket 62	63	Blast # R-1	R-6	GRAMS	YIELDS 28./A	28./A	
		4/L		42			1255			M
							1347			
							1076			
			69.2		71.7		1030			
0%								4708	29.1	
		33/L		44.0			1356			M
							1274			
							1096			
			71.1		72.9		1098			
0%								4824	29.8	
(R)	(R) R	12/I	8/I		38.0		1380			L
							1229			
							1382			
			58.0		70.5		1253			
0%								5244	32.4	
(R)	(R) R	14/I	11/I		38.0		1350			L
							1160			
							1377			
			62.0		69.2		1066			
0%								4953	30.6	
(R)	(R)	11/I	9/I		41.0		1249			L
							1354			
							1406			
			58.6		69.2		1101			
0%								5110	31.5	

SOWN: 4-23 WITH GROUP

Stg 55552-15
341 Lac. X 2-NIRA
cr. 9454
(Stg 19-15)
MS/ML/I+/

ASAHI
342 cr. 8312

HJ 9-6 (Stg 19-1)
MS/MD/MN-/

B572A3-47-6-3
343 Pr. 215,936 X cr. 9214

UVV

(644)
ME/D/I-/I

B572A3-47-9-1
341

(645)
Seg. colm 3
ME/D-/I-/I

B572A 3-47-13-1
345

(646)
Seg. colm 2
ME/MD/MN/M

GRAMS	YIELDS LB./A	BU./A	
1255			M
1347			
1076			
1030			
	4708	29.1	
1356			M
1274			
1096			
1098			
	4824	29.8	
1380			L
1229			
1382			
1253			
	5244	32.4	
1350			L
1160			
1377			
1066			
	4953	30.6	
1249			L
1354			
1406			
1101			
	5110	31.5	

OWN: 4-23 WITH GROUP V C.I.Y.N.

			DATES HEADING 1ST FULL	DATES FULL RIPE	PLANT HT. (IN.)
	B55223A3-46-1	561	8-28	9-25	50
346	T.P. X REXOAO	664	8-30		53
	(2029/2030)				
	MS/L/I/M		8-29	9-25 (155)	52
	B5617A5-1-3-3	562	8-26	9-22	47
347	Rex1/2 X PI 1F3,331	669	8-28		48
	(2125)				
	MS/MD/I+/I		8-27	9-22 (152)	48
	B5617A32-34-1-2	563	8-20	9-18	38
348		674	8-18		43
	(2174/2175)				
	ME/I/I/S+		8-19	9-18 (148)	41
	B5617A36-39-2-2	564	8-2	9-4	46
349		662	8-2		48
H9-6					
	(2208)				
	E/L/I/M+		8-2	9-4 (134)	47
	B5617A40-24-2-2	565			48
350		679			49
	(2529)				
	MS/D/N/S		—	—	49

Stn Hd / HB	Iod/Alk 62 / 63	Blanct 62 / 63	Blast 62 / 63	YIELDS GRAMS	LB/A	BL/A
	18 / 13/I/6	27 / 30.0		677		
50%				754		
				1431		
		56.2	68.0	x 2		
25%					2862	17.7
	20 / 14/I	26 / 28.0		489		
				519		
				1008		
		31.1	64.5	x 2		
0%					2016	12.4
	19 / 17/I	25 / 32.0		590		
				755		
				1345		
		29.6	67.4	x 2		
0%					2690	16.6
	12 / 24/I	29 / 40.0		964		
				964		
				1928		
		60.4	68.8	x 2		
0%					3856	23.8
	39 / 33/I/4	23 / 25.0		785		
				179		
				964		
		47.8	67.2	x 2		
0%					1928	11.9

GWN; 4-23 WITH GROUP II

B5523A3-46-1

346 T.P. X REFORD

(2029/2030) Helminthosporium +

MS/L/I/M

B5617A5-1-3-3

347 Ref/2 X PI 1F3,331

(2125) Primary

MS/MD/I+/I

B5617A32-34-1-2

348

(2174/2175)

ME/I/I/S+

B5617A36-89-2-2

349

409-C

(2208)

E/L/I/M+

B5617A40-24-2-2

350

(2529) Primary

MS/D/N/

	YIELDS		
GRAMS	LB./A	BU./A	
677			L
754			
1431			
x 2			
	2862	17.7	
489			L
519			
1008			
x 2			
	2016	12.4	
590			V.S.
755			
1345			
x 2			
	2690	16.6	
964			L
964			
1928			
x 2			
	3856	23.8	
785			L
179			
964			
x 2			
	1928	11.9	

			DATES			
			HEADING		FULL	PLANT
			1ST	FULL	RIPE	HT. (IN.)
	B585A 1-118	566				47
351	BBT-50 X DIMA	671	8-25			46
	(2551/2550)					
	E-/MD/MN/E-		8-25		9-27 (15)	46
	B585A 1-127	567				50
352		675				55
	(2562)					
	E/MD-/N/MT		—		—	53
	B585A 1-140	568				48
353		677				50
	(2570)					
	MS/MD/N/MS		—		—	49
	B585A 1-153	569			10-3	50
354		676			10-3	54
	(2583)					
	E/ML/I/T		—		10-3 (63)	52
	B583A 1-3-2	570	8-26		9-26	52
355	CP-231 X DIMA	678	8-27		9-26	56
	(2708/2709)					
	S-/MD/N/MT		8-27		9-26 (156)	54

Stubble	2nd Crop	Biuret	GRAMS	YIELDS LB./A	BU./A	
VS	40 / 22/I	26 / 27.0	716 714 1430 ×2			L
0%		41.8 67.3		2860	17.7	
	29 / 25/I/L	21 / 20.0	754			L
0%		40.8 65.5		—		
	32 / 29/I/L	28 / 29.0	883 827 1710 ÷2			L
0%		44.9 64.1		3420	21.1	
	16 / 12/I	26 / 26.0	567 779 1346 ×2			L
0%		58.5 64.0		2692	16.6	
	35 / 21/I	26 / 32.0	576 719 1295 ×2			L
0%		43.2 63.1		2590	16.0	

351 B585A1-118
BBT-50 X DIMA

(2551/2550)

Pt H mgn
E-/MD/MN/I

352 B585A1-127

only Brown in 'B'

(2562)

Pt H margin
E/MD-/N/M

353 B585A1-140

(2570)

MS/MD/N/

354 B585A1-153

(2583)

E/ML/I/T

355 B583A1-3-2
CP-231 X DIMA

(2708/2709)

[illegible] margin to
S-/MD/N/N

	GRAMS	YIELDS LB./A	BU./A
	716		
	714		
	1430		
	x 2		
		2860	17.7
	754		
	—		
		—	
Discarded 1 sample	883		
	827		
	1710		
	2		
		3420	21.1
	567		
	779		
	1346		
	x 2		
		2692	16.6
	576		
	719		
	1295		
	x 2		
		2590	16.0

			DATES			
			HEADING		FULL	PLANT
			1ST	FULL	RIPE	HT. (IN.)
	B583A1-56-1	571	8-21		9-22	46
356	cP-231 X DIMA	673	8-20			47
	(2856)					
	ME/D/N/MT-		8-21		9-22 (152)	47
	B583A1-3-2-2-BK4	572				55
357	BBT-50 " X Jojutla	666			9-9	52
	(2924) (62-2923 was R to HB '63)					
	S/I/MN/MT-T.		—		9-9 (139)	54
	B584A1-5-3-1BK	573	8-3		9-1	56
358	BBT-50 X Jojutla	663	8-3		9-1	56
	(2972)		Switchboard			
	S/ML/MA/T		8-3		9-1 (131)	56
	B584A2-54-4-2	574	8-28		9-25	50
359		672				52
	(3106)					
	E/D/I+/VT		8-28		9-25 (155)	51
	B584A2-63-1-2	575	8-28		9-25	55
360		661	8-30			57
	MS/I+/E (31/2")		8-29		9-25 (155)	56

		2nd/alh 62/63	Biuret 62/63		GRAMS	YIELDS LB./A	BL./A
		38/35/I	28/25.0		417		
					479		
					896		
			31.9	60.6	x 2		
0%						1792	11.1
90% 90	S. / sister strain	R 12/1.2/I/	32/34.0		731		
					983		
					1714		
			41.5	64.7	x 2		
90%						3428	21.2
		15/15/I	26/29.0		665		
30%					615		
					1280		
			44.8	65.6	x 2		
15%						2560	15.8
		17/15/I	27/21.0		327		
					495		
					822		
			21.1	61.0	x 2		
0%						1644	10.1
		20/17/I	19/18.0		652		
					429		
					1081		
			49.5	67.1	x 2		
0%						2162	13.3

B583A1-56-1

356 CP-231 X DIMA

(2856)

ME/D/N/M

B583A1-3-2-2-BK1

357 " ~~BBT-50 X Tojo-TLA~~

(2924) (62

S/I/MN/M

B584A1-5-3-1 BK

358 BBT-50 X Tojo-TLA

(2972)

S/ML/MA/T

B584A2-54-4-2

359

(3106)

E/D/I+/VT

B584A2-63-1-2

360

MS/I+/E/E

(3112)

GRAMS	YIELDS LB./A	BU./A
417		
479		
896		
x½		
	1792	11.1
731		
983		
1714		
x½		
	3428	21.2
665		
615		
1280		
x½		
	2560	15.8
327		
495		
822		
x½		
	1644	10.1
652		
429		
1081		
x½		
	2162	13.3

		DATES			
		HEADING		FULL	PLANT
		1ST	FULL	RIPE	HT. (IN.)
	B584A2-63-4-1 576				56
361	ABT-50 X JOJUTLA 665				57
	(3128)				
	V bad leaf type split. MS/D/I+/Tr	—		—	57
	PI. 275,426 577	8-25		9-25	36
362	KAOHSIUNG #68 667	8-27			39
	(7848)				
	S/I/N/MT	8-26		9-25 (155)	38
	B569A2-12-3-1, 578	8-22		9-22	30
363	IRR. Dw. CP. X T.P. 670	8-23			31
	(7857)				
	MS/I/MN/M	8-23		9-22 (157)	31
	B561A3-30-3-3, 579	8-15		9-16	49
364	IRR. Dw. CP. X Rex. 668	8-14			50
	(9051)				
	E/I+/I+/MT	8-15		9-16 (146)	50

		Iod/alk 62/63	Buret 62/63		GRAMS	YIELDS LB./A	BL./A
60%	(S)	14/18/I	21.0		427 —		
30%			36.0	67.9		—	
		R(I) 24/20/I	25.0		303 346 649 x2		
0%			37.0	56.1		1298	8.0
		16/16/I/●	27.0		601 743 1344 x2		
0%			43.8	67.1		2688	16.6
	(MS-S)	17/14/I/●	36.0		816 803 1629 x2		
0%			49.9	68.8		3258	20.1

B584A 2-63-4-1

361 BBT-50 X JOJUTLA

(3128)

MS/D/I+/T

PI. 275,426

362 KAOHSIUNG #68

(7848)

S/I/N/MT

B569A 2-12-3-1,

363 IRR. DW. CP. X T.P.

(7857)

MS/I/MN/M

B561A 3-30-3-3,

364 IRR. DW. CP. X REX.

(9051)

E/I+/I+/MT

	YIELDS	
GRAMS	LB./A	BL./A
427		
—		
	—	
303		
346		
649		
×2		
	1298	8.0
601		
743		
1344		
×2		
	2688	16.6
816		
803		
1629		
×2		
	3258	20.1

Sown: 4-23 with Group II 4/11.

			DATES HEADING 1ST	DATES HEADING FULL	DATES RIPE	PLANT HT. (IN.)
✓	B5P3A1-14-1-2	761	8-30		9-28	52
365	CP-231 X DIMA	877				54
	(2739) ME/ML/I+/MT		8-30		9-28 (158)	53
	B583A1-19-1	762	8-31		10-1	34
366		870	8-30		10-1	33
	(2854) ME/MD/I+/S+		8-31		10-1 (161)	34
	B5617A32-8-1-1-1	763	8-24		9-25	48
367	Ref/2 X PI. 183,331	868	8-27		9-25	47
	uppers/lands=E?) 2177/2178 I/I+/T		8-27		9-25 (155)	48
	B585A1-113	764	8-21		9-20	52
368	BBT-50 X DIMA	863	8-21			48
	(2543) ME/MD primary/I+/T		8-21		9-20 (150)	50
	B583A1-16-1-2-BK-1	765	8-6		9-6	44
369	CP-231 X DIMA	878	8-7			45
11.9.6	(2935) E/MD/N+/T+		8-7		9-6 (136)	45

St. Hd / HB	2nd/all Burnet 6² / 63	GRAMS	YIELDS LB/A	BL/A
1.7 / 13/I	25 / 27.0	718		
80%				
	54.6 64.8			
40%			—	
(5?) / (3?) 15/I	20.0	596		
		678		
		1274		
	58.0 68.0	x2		
0%			2548	15.7
(5) / (26) 20/I	23 / 29.0	375		
		454		
		829		
	49.8 67.6	x2		
0%			1658	10.2
(5) / (24) 29/I	23 / 28.0	396		
		392		
		788		
	50.8 67.4	x2		
0%			1576	9.7
21/I	28.0	710		
		798		
		1508		
	52.0 62.9	x2		
0%			3016	18.6

Sound 4-23 WITH GROUP IV

B583A1-14-1-2

365 CP-231 X DIMA

(2739)

ME/ML/I+/

B583A1-19-1

366

(2854)

ME/MD/I+/S

B5617A32-8-1-1

367 Ref/2 X PI. #3,331

2177
2178

I/I+/T

B585A1-113

368 BBT-50 X DIMA

(2543)

ME/MD/I+/

B583A1-16-1-2-BX-1

369 CP-231 X DIMA

(2935)

E/MD/N+/T+

GRAMS	YIELDS LB/A	BU/A	
718			L
—			
	—		
596			L
678			
1274			
x2			
	2548	15.7	
375			M
454			
829			
x2			
	1658	10.2	
396			L
392			
788			
x2			
	1576	9.7	
710			L
798			
1508			
x2			
	3016	18.6	

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	FULL RIPE	
	B585A 1-158	766				56
370	BBT-50 X DJMA	874				53
	(2605 / 2604)					
	E/MD/I-/M+		—		—	55
	B585A 1-134	767	8-23		9-23	60
371		872	8-26			58
	(2568)					
	ME/ML/I/T		8-24		9-23 (153)	59
	B582A 1-40-3-2	768	8-30		9-28	47
372	CP-231 X Jojutla	875	8-31			52
	(3313 / 3314)					
	S/MD/I/MT		8-31		9-28 (158)	51
	B584A 2-63-1-4	769				48
373	BBT-50 X Jojutla	876				52
	(3115)					
	MS/MD/I/M		—		—	50
	B5617A 3-11-3-1	770	8-6		9-5	43
374	Rex 1/2 X Pi. 183,331	873	8-6		9-5	45
	H 9-6					
	(2101)					
	ME/MD+/I+/T		8-6		9-5 (135)	44

2nd/alk Biuret

				YIELDS		
				GRAMS	LB./A	BU./A
	32/27/I	23/25.0		723		
				771		
				1494		
				x2		
0%		54.6	69.6		2988	18.4
	27/27/I	22/25.0		595		
				549		
				1144		
				x2		
0%		27.4	63.2		2288	14.1
	18/L 18/I	24/24.0		344		
				534		
				878		
				x2		
0%		31.0	59.9		1756	10.8
(S)	19/25/I	20/22.0		639		
				—		
		39.0	66.2			
0%						
(MS)	28/20/I	27/32.0		713		
				761		
				1474		
				x2		
0%		61.0	69.6		2948	18.2

B585A 1-158

370 BBT-50 X DIMA

(2605/2604)

E/MD/I-/M+

B585A 1-134

371

(2568)

ME/ML/I/T

B582A1-40-3-2

372 CP-231 X JOJUTLA

(3313/3314)

S/MD/I/M?

B584A2-63-1-4

373 BBT-50 X JOJUTLA

(3115)

MS/MD/I/R

B5617A3-11-3-1

374 Rex 1/2 X PI. 183,331

9-6

(2101)

ME/MD+/I+/

	YIELDS		
	GRAMS	LB./A	BU./A
	723		
	771		
	1494		
	x2		
		2988	18.4
	595		
	549		
	1144		
	x2		
		2288	14.1
	344		
	534		
	878		
	x2		
		1756	10.8
	639		
	713		
	761		
	1474		
	x2		
		2948	18.2

		DATES			
		HEADING		FULL	PLANT
		1ST	FULL	RIPE	HT. (IN.)
	B585A1-123 771			10-3	51
375	BBT-50 X DIMA 864				53
	(2557)				
	MS3 / I / I / MT	—		10-3 (163)	52
	B561A3-22-2-1 772	8-1		9-1	46
376	Irrad CP231 (DW) 865	8-1		9-1	45
	x Rexoro				
9-4	(9055)				
	E / I / I+ / MT	8-1		9-1 (131)	46
	B561A40-24-2-2 773	8-6		9-6	40
377	Ref 1/2 X Pi. 183,331 879	8-6		9-6	39
9-4	(2229)				
	ME / D- / I- / MS	8-6		9-6 (136)	40
	B583A1-63-3 774	8-23		9-24	49
378	CP-231 X DIMA 862	8-23			49
	(2275)				
	MS / I+ / MN / MT	8-23		9-24 (154)	49
	B561A20-4-2-1 775	8-19		9-20	47
379	Ref 1/2 X Pi. 183,331 871	8-18			49
	(2131)				
	Early MS / I / I / MT	8-19		9-20 (150)	48

2nd/alk. Buret

					YIELDS GRAMS	LB/A	BL./A	
	20/20/I	25/22.0			592 590			L
0%		29.8	62.6					
	(S)/	17/13/I	/40.0		933 835 1768 X2			L
0%		57.0	68.8			3536	21.8	
	(S)/	14/10/I	29/33.0		950 951 1901 X2			L
0%		61.8	69.6			3802	23.5	
	(S)/	14/14/I	26/30.0		761 675 1436 X2			L
0%		43.6	60.8			2872	17.7	
	/20/16/I	24/30.0			848 816 1664 X2			L
0%		40.6	69.8			3328	20.5	

B585A1-123

375 BOT-50 X DIMA

(2557)

MS3/I(low)/I(high)/MT

B561A3-22-2-1

376 Irrad C 8231 (DW).
× Rexoro

(9055)

E/I/I+/MT

B561A40-24-2-2

377 Ref/2 × Pt. 183,331.

(2229)

ME/D-/I-/MS

B583A1-63-3

378 CP-231 X DIMA.

(2875)

MS/I+/MN/M

B561A20-4-2-1

379 Ref/2 × Pt. 183,331.

(2131)

E. early MS lab/I/I/MT

	YIELDS		
GRAMS	LB/A	BL./A	
592			L
590			
933			L
835			
1768			
x2			
	3536	21.8	
950			L
951			
1901			
x2			
	3802	23.5	
761			L
675			
1436			
x2			
	2872	17.7	
848			L
816			
1664			
x2			
	3328	20.5	

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	SURINAM #75	776	8-25		9-26	42
380		861	8-25			40
	(8212) MS/I/MN/T		8-25		9-26 (156)	41
	B584A2-63-1-1	777			10-1	52
381	BBT-50 X JOJOTA	869	8-31		10-2	51
	(3109) ME/MD/I-/MT		8-31		10-2 (167)	52
	B584A1-30-1-2	778	8-4		9-4	52
382		867	8-4		9-4	48
	(3062) MS/I/MN0/MJ+		8-4		9-4 (134)	50
	B585A1-153	779				56
383	BBT-50 X DIMA	866				56
	(2574) MS-ME?/I+/I/T		—		—	56

	Str H. / HB	Sod/alk	Biuret C2 / C3		GRAMS	YIELDS LB./A	BL./A	
	(S) / (6)	14/I / 11/I	/ 30.0		1039 990 2029 x2			L
			—	68.9				
0%						4058	25.1	
		15 / 14/I	21 / 21.0		748 781 1529 x2			L
			51.2	66.6				
0%						3058	18.9	
	(S) / (S)	(21) / 15/I	23 / 30.0		1033 861 1894 x2			L
			65.1	71.1				
0%						3788	23.4	
	(S) /	20 / 17/I	24 / 26.0		795			L
			27.7	61.5				
0%						—		

SURINAM #75

380

(8212)
MS/I/MN
B584A 2-63-1-1

381 BBT-50 X JOJOTA

(3109)
ME/MD/I-
B584A 1-30-1-2

382

(3062)
MS/I/MW
B585A 1-153

383 BBT-50 X DIMA

(2574)
MS-ME?/I+/I/T

	GRAMS	YIELDS LB./A	BU./A	
	1039			L
	990			
	2029			
	x2			
		4058	25.1	
	748			L
	781			
	1529			
	x2			
		3058	18.9	
	1033			L
	861			
	1894			
	x2			
		3788	23.4	
	795			L

Sown: 4-22 with Group VI GYN.

		DATES			PLANT HT. (IN.)
		HEADING 1ST	HEADING FULL	FULL RIPE	
B574A1-6-1-3-2,	581	7-6	7-13	7/31	51
384 (I.9214 X I.9383)	690	7-8	7-15	7/30	51
	788	7-7	7-15	7/30	51
Extra (502)	896	7-7	7-15	7/30	47
ME/MD/I/MT		7-7		7-30 (99)	50
B574A1-32-3-9-3	582	7-7	7-15	8/1	51
385	696	7-7	7-16	8/1	49
	784	7-8	7-15	8/1	50
Extra (506)	888	7-7	7-15	8/1	49
ME/MD/I+/I		7-7		8-1 (101)	50
B574A1-35-4-6-1	583	7-4	7-10	7/28	47
386	681	7-5	7-11	7/27	46
Extra	786	7-4	7-10	7/27	46
(507)	889	7-4	7-10	7/26	46
E/MD/I/I		7-4		7-27 (96)	46
B574A1-62-2-3-1	584	7-7	7-14	7/28	47
387	685	7-7	7-14	7/29	48
	790	7-8	7-14	7/30	48
(513)	885	7-6	7-14	7/29	47
E/MD/I/I		7-7		7-29 (98)	48
B574A1-81-5-8-2	585	7-7	7-15	7/29	51
388	691	7-7	7-15	7/29	52
	793	7-7	7-14	7/30	49
Extra (516)	898	7-6	7-14	7/29	47
ME/MD/I+/I		7-7		7-29 (98)	49

2nd/talk Burnt

				YIELDS GRAMS	LB./A	BL./A	
0	R	25/I 14/I	35 42.0	1210			L
0		+ 20 + -40 A graph		1263			
40				1173			
0			63.4 70.5	1271			
10%					4917	30.4	
0	R	22/I 14/I	38 39.0	1305			L
0				1222			
h				1150			
0			61.6 70.8	1320			
TR					5047	31.2	
0	R	21/I 17/I	36 39.0	1419			L
40				1319			
85				1201			
0			61.8 69.6	1282			
44%					5221	32.2	
0	R	17/I 18/I 10	35 35.0	1271			L
0		-50 + -40 A graph		1197			
0				1104			
0			60.6 70.1	1205			
0%					4777	29.5	
0	R	32/I 12/I	34 37.0	1257			L
				1273			
0				1288			
0			55.2 67.1	1339			
0%					5157	31.8	

Sown: 4-22 WITH GROUP

B574A1-6-1-3-2, floppy top Tall, straight, Maturity
384 C.I. 9214 X C.I. 9383 Too late, leafy

Extra (502)
ME/MD/I,

B574A1-32-3-9-3 Tall, straight, Volunteer, strong
385

Extra (506)
ME/MD/I+,

B574A1-35-4-6-1 Medium, v good, fair stem
386 no taller than 3rd or 4th ear

Extra (507)
E/MD/I/I

B574A1-62-2-3-1 poorly filled heads, med ht
387 v good stem, spread panicles
stem is used in all ears

(513)
F/MD/I/I

B574A1-81-5-8-2 Tall, good stem, sturdy
388 compared with Bella.

Extra (516)
ME/MD/I+/

	YIELDS		
GRAMS	LB./A	BU./A	
1210			L
1263			
1173			
1271			
	4917	30.4	
1305			L
1222			
1150			
1320			
	5047	31.2	
1419			L
1319			
1201			
1282			
	5221	32.2	
1271			L
1197			
1104			
1205			
	4777	29.5	
1257			L
1273			
1288			
1339			
	5157	31.8	

			DATES			PLANT HT. (IN.)
			HEADING 1ST	HEADING FULL	FULL RIPE	
	B575A1-10-2-2-3	586	7-5	7-12	7/31	51
389	CI.9214 X (CI.9231 X CI.9122)	687	7-5	7-11	7/30	50
		799	7-4	7-11	8/1	48
Extra	(519)	887	7-5	7-11	8/1	49
	ME/D/I/T		7-5		7-31 (100)	50
	B575A1-21-1-7-2	587	7-7	7-14	7/31	54
390		697	7-7	7-15	8/1	52
V YN		781	7-7	7-14	7/31	54
	(521)	895	7-7	7-15	7/31	51
	E/MD/I/T		7-7		7-31 (100)	53
	B575A1-26-4-3-3	588	7-5	7-13	7/31	47
391		683	7-6	7-13	7/31	52
		789	7-6	7-13	7/31	50
	(527)	894	7-5	7-12	7/31	46
	ME/MD/I/MT		7-6		7-31 (100)	49
	B575A1-48-3-3-3	589	7-5	7-12	8/1	53
392		698	7-5	7-13	7/31	49
		797	7-5	7-11	7/29	50
Extra	(531)	891	7-5	7-11	7/30	50
	ME/I/E+/MT		7-5		7-31 (100)	51
	B575A1-57-3-103	590	7-6	7-13	8/3	44
393		689	7-7	7-13	8/1	45
Ext guard *		782	7-6	7-12	8/1	43
Extra	(532)	890	7-6	7-13	8/1	42
	ME/D/I-/I		7-6		8-2 (102)	44

Stalk HB	Ind/Alk 62	63	Biuret 62	63	GRAMS	YIELDS LB./A	BU./A
R	17/I	11/I	37	41.0	1331		
					1240		
					1313		
			62.2	70.3	1274		
						5158	31.8
MR	17/I	11/I	34	39.0	1333		
					1274		
					SPILLED		
			68.0	71.8	1311		
						5211	32.2
R	18/I	15/I	37	38.0	1247		
					1121		
					1157		
			64.2	69.0	1214		
						4739	29.3
R	19/I	11/I	37	39.0	1251		
					1307		
					1147		
			61.8	68.6	1159		
						4864	30.0
MR	22/I	15/I	39	39.0	1402		
					1316		
					1278		
			61.6	69.7	1287		
						5283	32.6

B575A1-10-2-2-3
389 Cl. 9214 X (P-131 X CI. 9122)

Tall, gold Bells type stem, prob
sturdier than Bells, hvy? Too tall

Extra

(519)
ME/D/I/I

B575A1-21-1-7-2
390

Take 389, tall v sl willowy.
V tall in II, Is too tall

4 YN

(521)
E/MD/I/I

B575A1-26-4-3-3
391

med ht, fairly sturdy, hvy
ear of better plot

(527)
ME/MD/I/

B575A1-48-3-3-3
392

med tall, hvy, sturdier than Bells,

Extra

(531)
ME/I/I+1

B575A1-57-3-10-3
393

med ht, v hvy, v sturdy, almost a
med-gr length

No gd or A seen

cut guard

*

Extra

(532)
ME/D/I-/I

			GRAMS	YIELDS LB./A	BU./A	
			1331			L
			1240			
			1313			
			1274			
				5158	31.8	
			1333			L
			1274			
		950	SPILLED			
			1311			
				5211	32.2	
			1247			L
			1121			
			1157			
			1214			
				4739	29.3	
			1251			L
			1307			
			1147			
			1159			
				4864	30.0	
		gd wt. —	1402			L
		979	1316			
		1564	1278			
		1511	1287			
				5283	32.6	

			DATES			
			HEADING		FULL RIPE	PLANT HT. (IN.)
			1ST	FULL		
	B575A1-61-2-6-3	591	7-7	7-15	7/28	48
394	CI.9214 X (CP-231 X CI.9122)	692	7-7	7-14	7/31	52
		794	7-8	7-14	7/31	49
[illegible]	(533)	892	7-7	7-14	7/31	48
	ME/MD/I/MT		7-7		7-30 (99)	49
	B593A11-13	592	6-30	7-5	7/22	51
395	B.P. X [(CP-231/3 X BBT)$_2$ X IR.215, 936]	682	6-30	7-6	7/22	52
	[illegible]	796	6-30	7-6	7/25	52
	(545)	882	6-30	7-6	7/24	51
	ME/I-MD/I-/MT (V early, V short ht, Col '63)		6-30		7-23 (92)	52
	B593A10-13	593	7-1	7-8	7/23	54
396		684	7-1	7-9	7/26	55
[illegible]		783	7-1	7-9	7/24	53
	(542)	897	7-1	7-9	7/24	53
	ME/I/I+/MT		7-1		7-24 (93)	54
	BELLE PATNA	594	7-2	7-10	7/27	53
397	CI. 9433	693	7-2	7-10	7/28	52
		791	7-2	7-11	7/26	50
	(BR.SEED)	899	7-2	7-11	7/26	46
	ME/I/MW/MT		7-2		7-27 (96)	50
	B574A1-77-4-2	595	7-5	7-12	7/26	51
398	CI.9214 X CI.9383	688	7-7	7-14	7/26	53
		795	7-6	7-13	7/27	52
	(210)	881	7-6	7-12	7/25	51
	E-/MD/I/MT		7-6		7-26 (95)	52

Stand	2nd/alk Biuret				Yields		
					Grams	Lb./A	Bu./A
	HB	62	63	62	63			
	(R)	25/I	15/II	37	41.0	1274		
						1300		
						1214		
				61.0	69.7	1328		
						5116	31.6	
	(Scalp)	R 29/6	17/L		39.0	1196		
						1121		
						1011		
				64.4	70.4	1071		
66%						4399	27.2	
	(Scalp)	19/5/6	11/I		39.0	1159		
						1223		
						1138		
				64.0	70.4	1264		
36%						4784	29.5	
			12/I		39.0	1088		
						1135		
						1160		
				62.6	70.4	1243		
27%						4626	28.6	
			12/I		42.0	1195		
						1296		
						1295		
				60.8	69.6	1079		
54%						4865	30.0	

B575A1-61-2-6-3 Tall, but v long, little thin Belle
391 CI. 9214 X ((CI. 231 X CI. 922) for stem strength.

Citrus

(533)
ME/MD/I/

B593A11-13 dies, weak stem
395 B.P. X [(CI. 231/3 X BB8)2 X IE 215/936]

dies

(545)
ME/I-MD/I-

B593A10-13 V tall, weak stem, small stem
396 long peduncles

dies

(542)
ME/I/I+/

BELLE PATNA Tall, long but rather slim
397 CI. 9433

(BR. SEED)
ME/I/MW/

B574A1-77-4-2 A short bit snow bunch, v good
398 CI. 9214 X CI. 9383 but v little bit thin Belle
Pods not standing than Belle

(210)
E-/MD/I/M

	YIELDS		
GRAMS	LB./A	BU./A	
1274			L
1300			
1214			
1328			
	5116	31.6	
1196			L
1121			
1011			
1071			
	4399	27.2	
1159			L
1223			
1138			
1264			
	4784	29.5	
1088			L
1135			
1160			
1243			
	4626	28.6	
1195			L
1296			
1295			
1079			
	4865	30.0	

		DATES			PLANT HT. (IN.)
		HEADING 1ST	HEADING FULL	FULL RIPE	
B575A1-12-5-5	596	7-5	7-12	7/30	51
399 CI.9214 X (CI.231 X CI.9122)	699	7-5	7-12	8/1	46
	798	7-5	7-12	7/31	47
(214)	886	7-5	7-11	8/1	52
ME/I/I+/MT		7-5		7-31 (100)	49
B575A1-37-5-4	597	7-2	7-10	7/30	51
400	694	7-2	7-9	7/30	49
	787	7-2	7-10	7/28	51
(230)	884	7-1	7-9	7/31	50
E/MD/I+/MT		7-2		7-30 (99)	50
B575A1-49-2-2	598	7-6	7-12	7/28	48
~~461~~	686	7-6	7-12	7/31	50
401	785	7-6	7-12	7/30	50
Extra (233)	893	7-6	7-12	7/31	48
ME/MD/I+/M		7-6		7-30 (99)	49
B575A1-56-1-2	599	7-6	7-12	7/30	43
~~462~~	695	7-7	7-14	7/31	49
	792	7-7	7-13	7/31	47
402 Extra (235)	883	7-5	7-12	7/31	47
E-/I+/I/I-		7-6		7-31 (100)	46

Rep. Fails Plots discarded

			Iod/ALK. 62/63	Buid 62/63		GRAMS	YIELDS LB./A	BL./A	
5			14/I	45.0		1329			L
0						1287			
0						1335			
0				44.4	64.8	1337			
TN							5288	32.6	
0			14/I	42.0		1375			L
30						1388			
95						1299			
65				61.7	68.9	1347			
60%							5409	33.4	
0			15/I	44.0		1149			L
0						1207			
55						1174			
0				61.8	69.4	1177			
16%							4707	29.1	
0			17/I	44.0		1244			L
0						1138			
0						1163			
0				63.1	69.6	1162			
0%							4707	29.1	

399 B575A1-12-5-5 CI.9214 X (CI-231 X CI.9122) Bellelike, sl later, hoz
Too tall
(214)
ME/I/I+/MI

400 B575A1-37-5-4 Hoz gold plot, Bell type but sturdier, sl yellowing
(230)
E/MD/I+/

~~461~~ 401 Extra B575A1-49-2-2 Sturdier than Bell, Pan are rather short.
(233)
ME/MD/I+/

~~462~~ 402 Extra B575A1-56-1-2 Border plot, looks sturdy & hoz & good in 2nd. & Hoz, Sturdier & sl shorter ht than most.
(235)
E-/I+/I/I-

Rep. Field Plo

	GRAMS	YIELDS LB./A	BU./A	
	1329			L
	1287			
	1335			
	1337			
		5288	32.6	
	1375			L
	1388			
	1299			
	1347			
		5409	33.4	
	1149			L
	1207			
	1174			
	1177			
		4707	29.1	
	1244			L
	1136			
	1163			
	1162			
		4707	29.1	

DATE OF SEEDING, V-F STUDY

1ST DATE

SOWN: 3-30

1T2E, S4

		A SO#N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
201	B575A1-26-4	101	6-12	6-20	7-17	40
	CI.9214 X (CI.231 X CI.9122)	408	6-13	6-20	7-17	38
	CI. 9487	211	6-12	6-19	7-16	41
	(102)	115	6-12	6-20	7-17	42
			6-12		7-17 (107)	40
202	B574A1-36-2	104	6-12	6-20	7-15	43
	CI.9214 X CI.9383	305	6-13	6-22	7-15	45
	CI. 9488	511	6-11	6-18	7-14	44
	(103)	514	6-12	6-22	7-13	42
			6-12		7-14 (104)	44
203	VEGOLD	202	6-11	6-19	7-16	49
	CI. 9386	206	6-12	6-19	7-17	46
		110	6-13	6-20	7-17	46
	(111)	315	6-12	6-19	7-16	45
			6-12		7-17 (107)	47
204	B574A1-1-4	203	6-11	6-19	7-16	50
	CI.9214 X CI.9383	507	6-13	6-20	7-16	49
	CI. 9538	409	6-12	6-19	7-16	45
	(107)	313	6-12	6-20	7-16	44
			6-12		7-16 (106)	47
205	BELLEPATNA	301	6-7	6-17	7-15	47
		207	6-9	6-17	7-15	46
	CI. 9433	412	6-8	6-17	7-15	45
	(14)	515	6-9	6-17	7-15	49
			6-8		7-15 (105)	47

Thr. July 15 — ← This symbol

YIELD IN LBS./A = GMS. WT. OF 4 REPS.
" " BBL./A = WT. IN LBS. X .006173

Lodging				YIELD IN (GMS) 50#/N	YIELD IN GMS.) 160#/N	YIELD IN BBL./A 50#/N	YIELD IN BBL./A. 160#/N
		21/I		1337	1493		
				701	1715		
				1130	1621		
	HEAD	TOTAL		1535	1687		
0%	63.8	69.3		4703	6516	29.0	40.2
		20/I		1209	1650		
				1426	1542		
				1428	1639		
				1385	1326		
0%	61.7	68.9		5448	6157	33.6	38.0
		21/I		1324	1603		
				1332	1585		
				1413	1430		
				1391	1571		
0%	65.7	71.9		5460	6189	33.7	38.2
		25/I		1507	1530		
				1150	1526		
				1277	1702		
				1337	1690		
0%	64.1	70.2		5271	6448	32.5	39.8
		23/I		1539	1591		
				1303	1613		
				1448	1397		
				1392	1684		
0%	64.8	71.3		5682	6285	35.1	38.8

DATE OF

1ST DATE

SOWN: 3-30

1+2E, S4

		Q 160#N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
201	B575A1-26-4	102	6-13	6-23	7-18	50
	CI.9214 X (CI.231 X CI.9122)	407	6-16	6-24	7-18	50
	CI. 9487	212	6-14	6-24	7-18	50
	(102)	116	6-17	6-26	7-19	50
			6-15		7-18 (108)	50
202	B574A1-36-2	103	6-17	6-24	7-17	50
	CI.9214 X CI.9383	306	6-17	6-25	7-17	51
	CI. 9488	512	6-15	6-25	7-16	50
	(103)	513	6-17	6-24	7-15	47
			6-16		7-16 (106)	49
203	VEGOLD	201	6-13	6-22	7-18	51
	CI. 9386	205	6-14	6-24	7-19	53
		109	6-16	6-25	7-19	51
	(111)	316	6-15	6-24	7-18	50
			6-15		7-19 (109)	51
204	B574A1-1-4	204	6-16	6-27	7-19	52
	CI.9214 X CI.9383	508	6-17	6-27	7-18	49
	CI. 9538	410	6-17	6-25	7-18	54
	(107)	314	6-16	6-26	7-18	50
			6-17		7-18 (108)	51
205	BELLE PATNA	302	6-9	6-19	7-16	52
		208	6-13	6-22	7-16	51
	CI. 9433	411	6-13	6-20	7-16	53
	(111)	516	6-13	6-20	7-16	51
			6-12		7-16 (106)	52

Lodging			Yield in Gms. 160 ft N	Yield in Bbl./A 80 ft N	Yield in Bbl./A. 160 ft N
			1493		
			1715		
			1621		
			1687		
0%	59.2	66.5	6516	29.0	40.2
			1650		
			1542		
			1639		
			1326		
0%	56.1	66.8	6157	33.6	38.0
			1603		
			1585		
			1430		
			1571		
0%	61.7	70.9	6189	33.7	38.2
			1530		
			1526		
			1702		
			1690		
0%	61.7	69.3	6448	32.5	39.8
60%			1591		
			1613		
90%			1397		
			1684		
38%	62.9	70.2	6285	35.1	38.8

			DATES			PLANT HT. (IN.)
			HEADING		FULL RIPE	
			1ST	FULL		
	B575A1-57-5	303	6-10	6-17	7-17	45
206	CI.9214 X (CI.9131 X CI.9122)	106	6-11	6-17	7-18	45
	CI.9544	209	6-12	6-18		40
	(114)	113	6-10	6-17	7-16	41
			6-11		7-17 (107)	43
	B574A1-30-3-2	401	6-10	6-17	7-15	47
207	CI.9214 X CI.9383	505	6-13	6-21	7-16	46
Elite		311	6-10	6-19	7-15	43
	(203)	216	6-11	6-19	7-15	42
			6-11		7-15 (105)	44
	B574A1-45-1-1	404	6-11	6-17	7-15	43
208		406	6-12	6-19	7-15	43
		310	6-9	6-17	7-14	41
Elite	(207)	414	6-12	6-20		46
			6-11		7-15 (105)	43
	B575A1-25-2-1	502	6-11	6-18	7-15	47
209	CI.9214 X (CI.9131 X CI.9122)	307	6-11	6-18	7-16	46
		111	6-11	6-19	7-16	44
	(223)	416	6-11	6-19		41
			6-11		7-16 (106)	45
	B575A1-33-4-2	503	6-10	6-17	7-15	45
210		108	6-10	6-17	7-15	45
		510	6-9	6-17	7-15	46
	228	214	6-10	6-19		45
			6-10		7-15 (105)	45

2nd/alk

62/63

Lodging

25/I

			Yield in (Gms) 80 #N	Yield in (Gms.) 160 #N	Yield in Bbl/A. 80 #N	Yield in Bbl./A 160 #N
			1424	1653		
			1598	1814		
			1126	1703		
			1445	1899		
0%	64.8	70.2	5593	7069	34.5	43.6
			1565	1507		
			1515	1703		
			1566	1645		
			1294	1485		
0%	61.3	69.5	5940	6340	36.7	39.1
5% BD			1052	1682		
			1158	1573		
			1510	1645		
			1409	1451		
0%	65.0	71.6	5129	6351	31.7	39.2
			1221	1546		
			1462	1624		
			1447	1616		
			1220	1431		
0%	65.7	69.7	5350	6217	33.0	38.4
3% BD			1227	1292		
			1408	1419		
			1536	1556		
			1318	1235		
0%	66.7	70.8	5484	5502	33.9	34.0

		Q 160#N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	B575A1-57-5	304	6-16	6-24	7-19	49
206	CI.9214 X (CP-231 X CI.9122)	105	6-16	6-24	7-19	50
	CI.9544	210	6-15	6-24		45
	(114)	114	6-15	6-24	7-19	49
			6-16		7-19 (108)	49
	B574A1-30-3-2	402	6-15	6-23	7-16	50
207	CI.9214 X CI.9383	506	6-15	6-25	7-18	50
		312	6-15	6-25	7-17	48
Extra	(203)	215	6-16	6-23	7-16	51
			6-15		7-17 (107)	50
	B574A1-45-1-1	403	6-15	6-22	7-17	49
208		405	6-15	6-23	7-18	51
		309	6-13	6-22	7-16	47
Extra	(207)	413	6-14	6-25		49
			6-14		7-17 (107)	49
	B575A1-25-2-1	501	6-13	6-24	7-19	48
209	CI.9214 X (CP-231 X CI.9122)	308	6-13	6-23	7-18	49
		112	6-12	6-23	7-17	46
	(223)	415	6-13	6-23		50
			6-13		7-18 (108)	48
	B575A1-33-4-2	504	6-14	6-23	7-17	53
210		107	6-12	6-22	7-18	57
		509	6-11	6-20	7-17	52
	228	213	6-14	6-23		49
			6-13		7-17 (107)	53

Lodging			Yield in Gms. 160 #N	Yield in Bbl./A. 80 #N	Yield in Bbl./A 160 #N
			1653		
			1814		
			1703		
			1899		
0%	62.0	67.8	7069	34.5	43.6
65%			1507		
			1703		
			1645		
			1485		
16%	54.0	68.4	6340	36.7	39.1
			1682		
			1573		
			1645		
			1451		
0%	62.4	70.2	6351	31.7	39.2
			1546		
			1624		
			1616		
			1431		
0%	65.2	69.8	6217	33.0	38.4
20%			1292		
70%			1419		
			1556		
			1235		
27%	63.9	70.7	5502	33.9	34.0

DATE OF SEEDING, V-F STUDY

2ND DATE

Conn: 4-17
384E, SA

		P SOHN	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
211	B575A1-26-4	322	6-25	7-3	7/23	48
		525	6-24	7-4	7/30	48
	CI. 9487	130	6-24	7-3	7/24	46
	(102)	333	6-24	7-4	7/26	41
			6-24		7-26 (100)	46
212	B574A1-36-2	521	6-24	7-2	7/24	47
		226	6-25	7-2	7/26	49
	CI. 9488	131	6-25	7-2	7/23	41
	(103)	436	6-24	7-2	7/23	37
			6-25		7-24 (98)	44
213	VEGOLD	423	6-24	7-1	7/27	54
		125	6-24	6-30	7/28	53
	CI. 9386	330	6-24	7-1	7/25	42
	(411)	134	6-24	7-1	7/26	48
			6-24		7-27 (101)	49
214	B574A1-1-4	524	6-25	7-3	7/27	47
		327	6-26	7-6	7/28	53
	CI. 9538	432	6-24	7-3	7/25	44
	(107)	336	6-24	7-2	7/24	43
			6-25		7-26 (100)	47
215	BELLE/PATNA	221	6-22	6-30	7/27	48
		528	6-20	6-30	7/24	40
	CI. 9433	529	6-19	6-30	7/23	43
	(54)	535	6-19	6-30	7/23	46
			6-20		7-24 (98)	44

Second cutting was not complete
Cattle damaged plots not cut.

Lodging %	2nd/alk 62/63		Yield in (Gms.) 80# N	Yield in Gms 160# N	Yield in Bbl./A 80# N	Yield in Bbl./A 160# N
	21/I					
65			1294	1286		
0			1509	1379		
0			1284	1430		
0	HEAD	TOTAL	1142	1419		
16%	60.8	68.9	5229	5514	32.3	34.0
	20/I					
0			1457	1334		
0			1444	1584		
0			1073	1436		
0			882	1529		
0%	49.2	67.5	4861	5883	30.0	36.3
	21/I					
60			1418	1390		
60			1572	1424		
0			972	1329		
0			1055	1475		
30%	56.7	70.1	5017	5618	31.0	34.7
	25/I					
0			1290	1402		
5			1435	1382		
0			1022	1618		
0			1177	1436		
100	55.3	70.0	4924	5838	30.4	36.0
	23/I					
90			1547	1552		
0			953	1396		
0			970	1504		
0			1129	1288		
22	57.3	71.1	4599	5740	28.4	35.4

DATE OF SEL

2ND DATE

Comm: 4-17
3844, SA

		DATES				PLANT HT. (IN.)
	B 160#N	HEADING 1ST	HEADING FULL	FULL RIPE		
B575A1-26-4	321	6-28	7-6	7/26		50
211	526	6-28	7-6	7/31		50
CI. 9487	129	6-27	7-5	7/28		49
(102)	334	6-27	7-7	7/30		48
		6-28		7-29	(103)	49
B574A1-36-2	522	6-27	7-4	7/26		50
212	225	6-28	7-5	7/28		54
CI. 9488	132	6-28	7-5	7/26		49
(103)	435	6-27	7-5	7/26		47
		6-28		7-27	(101)	50
VEGOLD	424	6-28	7-5	7/30		54
213	126	6-27	7-6	7/31		55
CI. 9386	329	6-27	7-5	7/29		48
(411)	133	6-27	7-6	7/28		52
		6-27		7-30	(104)	52
B574A1-1-4	523	6-29	7-6	7/30		52
214	328	6-29	7-6	7/27		50
CI. 9538	431	6-28		7/28		50
(107)	335	6-27	7-6	7/29		45
		6-28		7-28	(102)	49
BELLE/PATNA	222	6-25	7-3	7/30		54
215	527	6-26	7-4	7/26		55
CI. 9433	530	6-24	7-3	7/26		51
(54)	536	6-25	7-4	7/27		50
		6-25		7-27	(101)	53

Lodging			Yield in Gms 160 sq in	Yield in Bu./A 60 lb N	Yield in Bu./A 160 lb N
90			1286		
Tr			1379		
0			1430		
0			1419		
20%	61.6	68.7	5514	32.3	34.0
90			1334		
20			1584		
0			1436		
0			1529		
27.5%	53.3	68.1	5883	30.0	36.3
95			1390		
40			1424		
Tr			1329		
Lod			1475		
34%	56.1	70.2	5618	31.0	34.7
10			1402		
0			1382		
0			1618		
0			1436		
Tr	60.0	70.7	5838	30.4	36.0
95			1552		
80			1396		
20			1504		
25			1288		
55%	56.2	70.2	5740	28.4	35.4

Dried out: only 37 plots cut.

	A SOIL N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B575A1-57-5	223	6-25	7-5	8/1	46
216 Adk	426	6-27	7-6	7/30	45
CI. 8544	531	6-24	7-4	7/30	41
(114)	235	6-26	7-5	7/31	43
		6-26		7-31 (105)	44
B574A1-30-3-2	122	6-24	7-1	7/26	47
217	325	6-25	7-3	7/26	50
	230	6-24	7-3	7/25	47
(203)	434	6-24	7-2	7/24	41
		6-24		7-25 (99)	46
B574A1-45-1-1	124	6-23	6-30	7/24	48
218	128	6-24	7-1	7/25	47
	232	6-23	7-1	7/25	42
(207)	234	6-24	7-1	7/26	46
		6-24		7-25 (99)	46
B575A1-25-2-1	421	6-24	7-1	7/26	49
219	227	6-24	7-1	7/26	48
	332	6-24	7-1	7/24	41
(223)	534	6-23	7-1	7/25	43
		6-24		7-26 (100)	45
B575A1-33-4-2	323	6-22	7-2	7/24	51
220	427	6-21	6-30	7/25	47
	430	6-21	7-1	7/26	48
(220)	136	6-21	6-30	7/26	44
		6-21		7-25 (99)	48

Lodging			Yield in Gms. 80#N	Yield in Gms. 160#N	Yield in Bbl./A 80#N	Yield in Bbl./A 160#N
		25/D				
0			1519	1575		
0			1366	1770		
0			1503	1535		
0			1574	1368		
0 %	57.9	20.0	5962	6248	36.8	38.6
0			1567	1628		
100			1592	1436		
0			1319	1485		
0			1205	1515		
25 %	55.9	69.4	5683	6064	35.1	37.4
TR			1492	1556		
0			1372	1433		
0			1056	1527		
0			1129	1513		
TR	48.4	70.5	5049	6029	31.2	37.2
0			1382	1366		
0			1388	1498		
0			990	1558		
0			1013	1254		
0 %	63.4	70.1	4773	5676	29.5	35.0
100			1176	1283		
TR			1214	1570		
0			1235	1342		
TR	1 foot shot		1093	1464		
25 %	59.6	70.1	4718	5659	29.1	34.9

Dried out: early

	B 160#N	DATES HEADING 1ST	HEADING FULL	FULL RIPE	PLANT HT. (IN.)
B575A1-57-5	.224	6-28	7-9	8/3	49
216	.425	6-29	7-10	8/4	48
C.I. 9544	.532	6-28	7-8	8/3	46
(114)	.236	6-29	7-8	8/1	44
		6-29		8-3 (108)	47
B574A1-30-3-2	.121	6-28	7-5	7/28	50
217	.326	6-28	7-5	7/27	51
	.229	6-27	7-5	7/28	50
(203)	.433	6-27	7-5	7/28	50
		6-28		7-28 (102)	50
B574A1-45-1-1	.123	6-25	7-2	7/26	52
218	.127	6-25	7-3	7/28	52
	.231	6-26	7-4	7/28	49
(207)	.233	6-25	7-3	7/29	48
		6-25		7-28 (102)	51
B575A1-25-2-1	.422	6-26	7-4	7/30	53
219	.228	6-27	7-5	7/27	51
	.331	6-27	7-4	7/28	49
(223)	.533	6-27	7-4	7/28	47
		6-27		7-28 (102)	50
B575A1-33-4-2	.324	6-25	7-4	7/26	56
220	.428	6-26	7-4	7/28	52
	.429	6-23	7-2	7/28	50
(224)	.135	6-24	7-2	7/28	50
		6-25		7-28 (102)	52

Lodging			Yield in Gms. 160 #N	Yield in Bbl./A 50 #N	Yield in Bbl./A 160 #N
0			1575		
0			1770		
0			1535		
0			1368		
0%	62.1	70.1	6248	36.8	38.6
70			1628		
100			1436		
15			1485		
0			1515		
46%	57.6	69.3	6064	35.1	37.4
95			1556		
10			1433		
1~			1527		
0			1513		
26%	57.8	70.8	6029	31.2	37.2
0			1366		
0			1498		
0			1558		
0			1254		
0%	64.7	70.0	5676	29.5	35.0
100			1283		
0			1570		
30			1342		
40			1464		
42%	60.7	70.4	5659	29.1	34.9

DATE OF SEEDING, V-F STUDY

3rd DATE

SOWN: 5-2 546E, S4		A SO#N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
221	B575A1-26-4	242	7-7	7-18	8-7	43
		445	7-8	7-18	8-7	46
	CI. 9487	152	7-7	7-18	8-8	45
	(102)	353	7-7	7-16	8-5	44
			7-7		8-7 (97)	45
222	B574A1-36-2	441	7-8	7-16	8-4	40
		347	7-6	7-14	8-3	44
	CI. 9488	250	7-7	7-15	8-2	43
	(103)	455	7-8	7-16	8-3	46
			7-7		8-3 (93)	43
223	VEGOLD	343	7-7	7-14	8-6	48
		246	7-7	7-14	8-6	44
	CI. 9386	350	7-6	7-14	8-5	45
	(111)	554	7-7	7-15	8-5	43
			7-7		8-6 (96)	45
224 all gd	B574A1-1-4	141	7-7	7-16	8-4	41
		447	7-7	7-16	8-4	41
	CI. 9538	552	7-7	7-15	8-5	45
	(107)	153	7-7	7-16	8-5	49
			7-7		8-5 (95)	44
225	BELLEVATNA	243	7-5	7-13	8-4	47
		145	7-5	7-12	8-4	47
	CI. 9433	450	7-5	7-13		48
	(111)	156	7-6	7-14	8-2	43
			7-5		8-4 (94)	46

2nd cutting not complete
Cattle destroyed plots not cut.

Lodge %	2nd/alk 62/63		YIELD IN GMS. 80#N	YIELD IN GMS. 160#N	YIELD IN BBL/A 80#N	YIELD IN BBL/A. 160#N
	21/I		997	1352		
			1087	1248		
			1176	1239		
	HEAD	TOTAL	984	1155		
0%	62.7	68.7	4244	4994	26.2	30.8
	20/I		909	1348		
			829	1313		
			1027	1306		
			953	1313		
0%	57.8	68.7	3718	5280	23.0	32.6
	21/I		798	1208		
			774	1299		
			999	1440		
			740	1182		
0%	61.8	70.8	3311	5129	20.4	31.7
	25/I		1062	1380		
			772	1264		
			1132	1215		
			1218	1188		
0%	56.8	70.1	4184	5047	25.8	31.2
	23/I		756	1356		
			1157	1268		
			1026	1312		
			1023	1176		
0%	55.3	70.4	3962	5112	24.5	31.6

DATE OF SEED

3rd DATE

SOWN: 5-2 5#6E, S4		@ 160#N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
221	B575A1-26-4	241	7-10		8-9	46
		446	7-11			47
	CI. 9487	151	7-10	7-20	8-10	50
	(102)	354	7-10	7-20	8-9	48
			7-10		8-9 (99)	48
222	B574A1-36-2	442	7-10	7-18	8-6	49
		348	7-10	7-18	8-4	47
	CI. 9488	249	7-10	7-18	8-4	49
	(103)	456	7-10	7-17	8-4	47
			7-10		8-5 (95)	48
223	VEGOLD	344	7-12	7-19	8-8	49
		245	7-11	7-18	8-9	52
	CI. 9386	349	7-9	7-17	8-9	52
	(111)	553	7-11	7-19	8-9	53
			7-11		8-9 (99)	51
224	B574A1-1-4	142	7-10	7-18	8-7	47
		448	7-12		8-8	46
all gd	CI. 9538	551	7-10	7-20	8-7	49
	(107)	154	7-12	7-20	8-8	54
			7-11		8-8 (98)	49
225	BELLEVATNA	244	7-7	7-14	8-6	50
		146	7-7	7-14	8-6	53
	CI. 9433	449	7-7	7-14		48
	(111)	155	7-8	7-20	8-6	55
			7-7		8-6 (96)	52

Lodging %				Yield in Gms. 160 #N	Yield in Bbl/A 80 #N	Yield in Bbl/A 160 #N
				1352		
				1248		
				1239		
				1155		
0%	62.9	69.1		4994	26.2	30.8
				1348		
				1313		
				1306		
				1313		
0%	59.9	69.1		5280	23.0	32.6
				1208		
				1299		
				1440		
				1182		
0%	61.7	71.3		5129	20.4	31.7
				1380		
				1264		
				1215		
				1188		
0%	59.3	70.7		5047	25.8	31.2
				1356		
10				1268		
				1312		
				1176		
Tr	60.6	71.1		5112	24.5	31.6

		A & of N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	B575A1-57-5	541	7-10	7-17	8-7	39
226		148	7-10	7-18	8-8	43
axyl	CI. 9544	149	7-9	7-18	8-8	45
	(114)	253	7-10	7-17	8-5	43
			7-10		8-7 (97)	42
	B574A1-30-3-2	543	7-6	7-15	8-3	43
227		345	7-7	7-15	8-5	48
		252	7-7	7-15	8-3	45
	(203)	4584	7-8	7-16	8-4	46
			7-7		8-4 (94)	46
	B574A1-45-1-1	341	7-6	7-14	8-4	47
228		545	7-6	7-14	8-5	46
		549	7-8	7-15	8-3	40
	(207)	555	7-8	7-16	8-5	44
			7-7		8-4 (94)	44
	B575A1-25-2-1	444	7-6	7-15	8-4	44
229		547	7-7	7-17	8-4	41
axyl		452	7-7	7-16	8-5	44
	(223)	355	7-7	7-15	8-4	44
			7-7		8-4 (94)	43
	B575A1-33-4-2	143	7-5	7-14	8-4	48
230		248	7-5	7-15	8-4	40
		351	7-6	7-15	8-4	48
	(224)	255	7-5	7-14	8-4	43
			7-5		8-4 (94)	45

2d/alk

Lodge	62/63	25/I	YIELD IN GMS. 80 #N	YIELD IN GMS. 160 #N	YIELD IN BBL./A 80 #N	YIELD IN BBL./A 160 #N
			953	1532		
			1048	1545		
			1276	1515		
			1201	1464		
0%	60.6	69.7	4478	6056	27.6	37.4
			1010	1196		
			1361	1405		
			998	953		
			984	1230		
0%	60.0	69.8	4353	4784	26.9	29.5
			860	1377		
			969	1218		
			847	1231		
			1260	1181		
0%	52.7	71.1	3936	5007	24.3	30.9
			1023	1300		
			554	1024		
			1039	1309		
			1106	1386		
0%	64.6	69.5	3722	5019	23.0	31.0
			987	1273		
			844	1360		
			1116	1328		
			1118	1368		
0%	59.8	70.0	4065	5329	25.1	32.9

		B 160#N	DATES HEADING 1ST	HEADING FULL	FULL RIPE	PLANT HT. (IN.)
	B575A1-57-5	542	7-11	7-20		44
226		147	7-13			49
axgl	CI.9544	150	7-12	7-19		47
	(214)	254	7-13	7-20	8-8	47
			7-12		8-8 (98)	47
	B574A1-30-3-2	544	7-11	7-18	8-7	46
227		346	7-12	7-20	8-7	49
		251	7-11	7-20	8-7	44
	(203)	453	7-13	7-20	8-7	52
			7-12		8-7 (97)	48
	B574A1-45-1-1	342	7-9	7-16	8-8	51
228		546	7-11	7-19	8-8	49
		550	7-10	7-18	8-7	49
	(207)	556	7-9	7-17	8-6	48
			7-10		8-7 (97)	49
	B575A1-25-2-1	443	7-10	7-19	8-7	46
229		548	7-13	7-21	8-8	47
axgl		451	7-10	7-18	8-6	46
	(223)	356	7-9	7-19	8-5	46
			7-11		8-7 (97)	46
	B575A1-33-4-2	144	7-9	7-18	8-7	50
230		247	7-10	7-17	8-7	52
		352	7-9	7-18	8-6	51
	(224)	256	7-9	7-17	8-6	50
			7-9		8-7 (97)	51

Ledge

			YIELD IN GMS. 160#N	YIELD IN BBL/A 80#N	YIELD IN BBL/A 160#N
			1532		
			1545		
			1515		
			1464		
0%	62.1	69.9	6056	27.6	37.4
			1196		
			1405		
			953		
			1230		
0%	61.1	70.4	4784	26.9	29.5
			1377		
			1218		
			1231		
			1181		
0%	59.4	71.2	5007	24.3	30.9
			1300		
			1024		
			1309		
			1386		
0%	64.1	69.3	5019	23.0	31.0
			1273		
			1360		
			1328		
			1368		
0%	62.1	70.5	5329	25.1	32.9

131	236	336	421	521
132	235	335	422	528
133	232	333	427	531
134	231	332	429	532
	228	331	430	533
	227	330	431	535
	226	329	432	536
			433	
			435	
			436	

69- 7-18

cross ref with subject B593A5 and
Bell # B505A1-28(25)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION

COTTON AND CORDAGE FIBERS FIELD NOTES

CR FORM 12
MAR 1958

V-F 1101-1177

GLUT. SELS. 1201-38

V-F, ROW SPACING
1241-70
1271-82

3 var
2 Fert 80/160 N
2 RowSp 9/18"
3 adjrate 40/80/120#

If this notebook is lost, will finder please mail to:

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION
PLANT INDUSTRY STATION
BELTSVILLE, MARYLAND

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

COTTON AND CORDAGE FIBERS

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (*a*) Methods (*b*) Dates
5. Size of plot:
   (*a*) Area in square feet (*b*) Number of rows
   (*c*) Length of rows (*d*) Width of rows
6. Fertilizer: (*a*) Pounds per acre
   (*b*) Analysis (N–P–K) (*c*) Time of application
   (*d*) Method of application (*e*) Side dressings
7. Planting: (*a*) Date (*b*) Rate (*c*) Method
8. Thinning: (*a*) Date (*b*) Method (*c*) Approximate optimum spacing attempted
9. Cultivation: (*a*) Implements used (*b*) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pound is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seeding vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seeding vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests.
   (*a*) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35–7. (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
   (*b*) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, or any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

U. S. GOVERNMENT PRINTING OFFICE 16—61780-3

VARIETY - FERTILIZER TEST

4-Row, 18 Feet. Hav. 2 Row x 16 F

GROUP I Sown: 5-2 ~~27~~ W.55 Start 10 in So. W. corner)	Plant type notes June 26	A No #N	DATES HEADING 1ST	HEADING FULL	FULL RIPE	PLANT HT. (IN.)
B571A1-32-7 ~~PI 215,936 x~~		101	7/22	8/2	8-26	43
1101 ~~[CP 231 x (Hill Sel x BBt)]~~		230		8/2		43
(IP-231/3 x BBt) x PI 215,936						
					(116)	
(241)					8-26	43
E/D/N/I-						
B573A1-2-5		103	7/23	8/5	8-25	42
1102 PI 215,936 x CP 9402		206		8/4		43
					(115)	
(307)					8-25	43
E/D/N/I						
B581A6-181-1,		106	7/24	8/4	8-26	37
1103 (CP 231/3 x BBt)/2 x PI 215,936		225		8/4		37
E/D/N/I+						
(7719/7721)					(116)	
(7723 = R to HB 1963)					8-26	37
B586A1-10-2,		108	7/23	8/4	8-26	44
1104 BBt 50 x PI 215,936		204		8/3		42
x PI 215,936					(116)	
(7614)	v bad for shuck 8/9				8-26	43
E/I/I/I	shat wide flags, v little bl. dew.					
B5818A15-89		109	7/22	8/5	8-26	45
1105 Gulf Rose x PI 215,936		217		8/6		47
					(116)	
(261)					8-26	46
E-/D/N/I-	Blanket on 8/9 on little wet					

Blast	Str Hd	Tod/ALK	Burrett				
R-1 / R-6	HB	62 / 63	62 / 63				
lodging				YIELD GRAM	YIELD GRAMS	YIELD BU/A 80#N	BU/A 160#N
	R (35)/II			1203	1340		ML
				1166	1132		
	Head	Total		2369	2472		
	64.9	69.5		x2	x2		
0%			lbs/A	4738	4944	29.2	30.5
	R (29)/II			1214	1358		M
				1223	1340		
	66.5	70.9					
0%			lbs/A	4874	5396	30.1	33.3
	R (28)/II			1058	1020		L
				1231	1063		
	57.5	66.6					
0%			lbs/A	4578	4166	28.3	25.7
	R S 49/II			1294	1108		LM
				934	802		
	50.3	66.8					
0%			lbs/A	4456	3820	27.5	23.6
	R (33)/II			1265	1253		M
				1229	1324		
9%	67.0	70.4					
			lbs/A	4988	5154	30.8	31.8

VARIETY – FEB

GROUP I Plant type notes June 26 Rows: 5-2 ~~24~~ W. 55 Tent 10 in SO. W. CORNER)	R 160 #N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B571A1-32-7 ~~PI 215,936 x~~ 1101 ~~CP231 x (W11Sel x BBt)~~ (CP-231/3 x BBt) x PI 215,936 Hof 29 (241) E/D/N-/I-	102 229	7/24	9/6 9/5	8-26 (116) 8-26	45 47 46
B573A1-2-5 1102 PI 215,936 x CI 9402 H of 29 (307) E/I+/N/I-	104 205	7/25	8/7 8/7	8-26 (116) 8-26	45 43 44
B581A6-181-1, (CP 231/3 x BBt)/2 1103 x PI 215,936 H 8-29 E/D/N/S+ (7719/7721) (7723 = RT & HB)	105 226	7/26	9/7 9/7	8-27 (117) 8-27	39 39 39
B586A1-10-2, 1104 ~~BBt 50 x PI 215,933~~ 203 x PI 215,936 H 8-29 (7614) E/I/I/I	107	7/24	8/6 8/5	8-26 (116) 8-26	45 45 45
B5818A15-89 1105 Gulf Rose x PI 215,936 H 8-29 (261) E-/D/N+/I-	110 218	7/24	8/7 9/8	8-27 — (117) 8-27	48 50 49

		YIELD BU/A	
	YIELD GRAMS	80# N	160# N
	1340		ML
	1132		
	2472		
	X 2		
0%	4944	29.2	30.5
	1358		M
	1340		
0%	5396	30.1	33.3
	1020		L
	1063		
0%	4166	28.3	25.7
	1108		LM
	802		
0%	3820	27.5	23.6
	Spilled 1253		M
	1324		
5%	5154	30.8	31.8

			DATES			
		A So#N	HEADING 1ST	HEADING FULL	FULL RIPE	PLANT HT. (IN.)
	B58 18A15-101-2	112	7/21	8/1		47
1106	Gulfrose x PI215,936	209				44
					8-22	46
HV 8-21	(7577)	bad for blight, both rots & repo				
	I/D-/II-/II	Sparse pan disc			(112)	
	B5816A13-9-1	113	7/20	7/29	8-23	50
1107	Gulfrose x	224				48
cut gd	2x(BR/3 x R)				8-23 (113)	
HV 8-21	(7131)	severe pan blight both rots				
Extra	E-/D/II-/T	adv as replacement for Nato				49
	NOVA	116	7/22	8/1		56
1108		211				55
Hv 8-21					8-22	
	(7)				(112)	56
	I/I/W/I,	v tall leaves are too wide				
	NATO	118	7/21	8/1		55
1109		222				53
Hv 8-21					8-22 (112)	54
	(Fd)					
	E-I/M/I/T	May be 1 or 2 days earlier but than Nova				
	B572A3-28-4	120	7/24	8/6	8-27	49
1110	PI 215,936	201		8/7		46
	x CI 9214					
Av 8-29	(271)					
	VE/VD/N/I				8-27 (117)	48

Blast R-6 / R-6	Str. Hd / HB	Emb/Silk 62 / 63	Burst 62 / 63					
hodging								
	(pug) ®	47/4		904	896			M
				812	753			
	65.7	70.6						
Tr			lbs/A	3432	3302	21.2	20.4	
	(MS) (O)	50/4		1197	1275			M
				1291	1085			
	70.0	72.2						
Tr			lbs/A	4976	4720	30.7	29.1	
	®	69/4	42	1196	781			M
				1005	990			
	65.4	69.1						
50%			lbs/A	4402	3542	27.2	21.9	
		74/4	39	1270	930			M
				1016	915			
	70.4	72.7						
25%			lbs/A	4372	3690	27.0	22.8	
	(S)	62/H/E		1309	1355			M
				1208	1375			
	71.2	73.4						
%			lbs/A	5034	5460	31.1	33.7	

		R 160# N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	B5818A15-101-2	111	7/23			47
1106	Gulfrose × PI215,936	210				47
	Hv8-21 (7577) I/D-/I-/T				(113) 8-23	47
	B5816A13-9-1	114	7/21	7/30	8-23	53
1107	Gulfrose ×	223				50
	cut 3rd 2×(BR/3×R) Hv8-21 (7131) Extra E-/D/I-/T				(113) 8-23	52
	NOVA	115	7/24	8/3		58
1108		212				56
	Hv8-21 (7) I/I/W/I-				(114) 8-24	57
	NATO	117	7/23	8/3		56
1109		221				51
	Hv8-21 (Fd) E-I/M/I/T				(113) 8-23	54
	B572A3-28-4	119	7/26	8/8	8-29	50
1110	PI215,936 × CI 9214	202		8/9		50
	Hv8-29 (Q71) VE/VD/N/I				(119) 8-29	50

Tr	996			M
Tr	755			
Tr	3302	21.2	20.4	
85	1275			M
0	1045			
40%	4720	30.7	29.1	
85/100	761			M
30	990			
65%	3542	27.2	21.9	
90	930			M
Tr	915			
45	3690	27.0	22.8	
25	1355			M
	1375			
12%	5460	31.1	33.7	

		Lot#	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	B572A3-47-2-5-P-5, PI 215,936	121	8/6			46
1111	x CI 9214	227	8/5			45
	(6115) ME/D/I/MT)				(128) 9-7	46
	B5464A2-90-1-2-2	124	7/24	8/7	8-24	55
1112	HyB Mix x Red CP221	231	some	8/8		55
	(289) S/I/VN/I				(116) 8-26	55
	B573A1-2-5-2-1,	125	7/23	8/4	8-25	43
1113	PI 218,936 x CI 9402	233		8/4		46
	(6117) ME/D/E/MT				(115) 8-25	45
	B573A2-1-1-1-2	127	7/22	7/5	8-29	42
1114	PI a15936 x CI 9402	207				42
	E/VD/N/I (6141) NATD 9d Rows PLCE PLOTS				(119) 8-29	42
	B573A4-20-6-1-2,	130	7/27	8/9	8-29	44
1115	PI 215,936 x CI 9402	216		8/8		41
	(6204) E/VD/N/S		Vshot hit in col 63'		(119) 8-29	43

Blast R-1 / R-6	Stn Hd / HB	Iod/Ahk 62 / 63	Burst 62 / 63			
Lodging						
(S) (R)	(MR) (R) R	6/4	1196 / 1126	1215 / 1207		L
0%	28.8	71.8	lbs/a 4764	4844	29.4	29.9
T+2	(MR)	(16) I	1116 / 1114	1032 / 952		L Rad
T+2	55.3	68.2	lbs/a 4460	3968	27.5	24.5
(R) (Dog)	(R) (I) R	41/4	1241 / 1249	1421 / 1328		M
0%	68.0	70.6	4980	5498	30.7	33.9
	(R) S	30/4	968 / 953	1089 / 1060		M
0%	69.3	71.2	3842	4298	23.7	26.5
R) (Dog)	(R) R	26/4	1387 / 1423	1535 / 1298		M
0%	67.9	71.4	5624	5666	34.7	35.0

	160 # N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B572A3-47-2-5-P- PI 215,936 1111 × CI 9214 (6115) ME/D/I/MT	122 228	8/9 8/9		(131) 9-10	50 48 49
B5464A2-90-1-2-2 1112 Hy8 Mix × Red CP231 (289) S/I/VN/I	123 232	7/28 Some —	8/9 blight-4 8/10	8-28 (116) 8-28	59 58 59
B573A1-2-5-2-1 1113 PI 215,936 × CI 9402 (6117) ME/D/I/MT	126 234	7/25	8/7 8/7	8-26 (116) 8-26	45 47 46
B573A2-1-1-1-2 1114 PI 215936 × CI 9402 E/VD/N/I (6141) NATO 3rd ROWS PLOTS	128 208	7/24	8/8	8-29 (119) 8-29	AA 44 44
B573A4-20-6-1-2 1115 PI 215,936 × CI 9402 (6204) E/VD/N/S Vol	129 215	7/29	8/12 8/10	8-30 (120) 8-30	A6 47 47

		1215			L
		1207			
0%		4844	29.4	29.9	
10%		1032			L
		952			Red
5%		3968	27.5	24.5	
		1421			M
		1328			
0%		5498	30.7	33.9	
		1089			M
		1060			
0%		4298	23.7	26.5	
		1535			M
		1298			
0%		5666	34.7	35.0	

	fo#N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B583A1-4-2	131	7/25	8/4	8-28	51
1116 CP231 x Dima	219		8/9		52
I/D/N/MS					
(2710,11)					
				8-28 (118)	52
B5335A3-10-3,	134	7/23	8/1	8-26	50
1117 BBt50 x H0341	213	—	—		48
gold					
(322)					
ME/MO/MN/I				8-26 (116)	49

Nova has wider leaves than Nata, more spreading leaves and slightly lighter 6/26/63

Blast R-1 / R-6	Str Hd HB	Iod/Alk 62	Iod/Alk 63	Biuret 62	Biuret 63				
hedging									
		90		28		1186	1319		
						1145	1118		
	58.4	68.3							
0%						4462	4874	28.8	30.1
		(19/I)				1304	1226		
						1134	1126		
	61.9	69.0							
0%						4876	4708	30.1	29.1

		160HN	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	B583A1-4-2	132	7/28	8/12	8-29	56
1116	CP231 x Dima	220		8/12		57
	F/D/N/MS					
Av 8-29	I,II (2710,11) III,IV					
					8-29 (119)	57
	B5335A3-10-3,	133	7/25	8/3	8-29	52
1117	BBt50 x H0341	214	—	—		48
Av 8-29	gold (322) ME/MD/MN/I					
					8-29 (119)	50
	Iowa has wider row spacing h					

1319				L
1118				
4874	28.8	30.1		
1226				L
1128				
4708	30.1	29.1		

GROUP II
~~24W~~, S5
Sown: 5/2/63

	Lot #	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B57/A1-5-8-4-1	301	7/23	8/4		42
1121 PI 215,936 × [CP231 × (HillSel × BBt)]	408	7/22	8/1	8-14	43
(5743,44)					
E/VD/N/S				8-24 (114)	43
B57/A1-40-4	303	7/20 S	8/8		45
1122 PI 215,936 × [CP231 × (HillSel × BBt)]	424	7/20 S	8/8	8-30	50
(303)					
E/D/MN/MS (short hit in col '63)				8-30 (120)	48
B57/A2-21-10	305	7/30	8/9		47
1123 PI 215,936 × [CP231 × (HillSel × BBt)]	430	7/28 S	8/10	8-30	47
Extra					
(304)					
E/D/MN/M (Short hit. in col '63)				8-30 (120)	47
B57/A1-23-2-1	307	7/30 S	8/9	8-29	47
1124 PI 215,936 × [CP231 × (HillSel × BBt)]	417	7/31 S	8/9	8-30	52
(305)					
E/D/MN/M				8-30 (120)	50
B57/A2-9-4-1	310	7/22	8/1	8-27	44
1125 PI 215,936 × [CP231 × (HillSel × BBt)]	412	7/21	7/31		45
(5706 / 5707) (5806 = R ✓ short hit in col '63)					
ME/I/I/MT				8-22 (117)	45

Blast R-1 / R-6	Str Hd HB	Iod/ALK 62	63	Biuret 62	63				
Lodging									
(S) (R)	(R) (4)	83/			1186	1353			L
					1129	1324			
		64.9	69.3						
0%					4630	5354	28.6	33.1	
	(R) (R) Seg	Seg (21/I)			1231	1318			L
					1093	1192			
		56.6	68.6						
0%					4648	5020	28.7	31.0	
	(R)	Seg (19/I)			1385	—			L
					1320	1496			
		63.2	69.8						
0%					5510	5984	34.0	36.9	
	(R)	R [redacted] (34/L)			1183	1231			L
					1141	1226			
		62.6	69.1						
0%					4648	4914	28.7	30.3	
R+)	(R)				1167	1109			L
(S+R)	Seg	R (12/L)			1013	1013			
		55.4	67.6						
0%					4360	4244	26.9	26.2	

GROUP II
24W, S5
Sown: 5/2/63

	166 HN	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B57/A1-5-8-4-1	302	7/25	8/9		45
1121 PI 215,936 × [CP231 × (HillSel × B)]	407	7/24	8/4	8-27	46
(5743,44) E/VD/N/S				8-27 (117)	46
B57/A1-40-4	304	7/23 S	8/11		48
1122 PI 215,936 × [CP231 × (HillSel × BBt)]	423	7/22 S	8/10	8-30	48
(303) E/D/MN/MS1				8-30 (120)	48
B57/A 2-21-10	306	8/1	8/11		53
1123 PI 215,936 × [CP231 × (HillSel × BBt)]	429	7/31	8/13	8-30	50
Elite (304) E/D/MN/M(2)				8-30 (120)	52
B57/A1-23-2-1	308	8/1	8/12		51
1124 PI 215,936 × [CP231 × (HillSel × BBt)]	418	8/2 S	8/12	8-31	54
(305) E/D/MN/M				8-31 (121)	53
B57/A2-9-4-1	309	7/24	8/3	8-27	46
1125 PI 215,936 × [CP231 × (HillSel × BBt)]	411	7/24			47
ME (5806/5807) I/I/MT (58m)				8-27 (117)	47

	1353				L
	1324				
0%	5354	28.6	33.1		
	1318				L
	1192				
0%	5020	28.7	31.0		
	—				L
	1496				
0%	5984	34.0	36.9		
	1231				L
	1226				
0%	4914	28.7	30.3		
	1109				L
	1013				
0%	4244	26.9	26.2		

	Lot #	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B581A4-15,	312	7/23	8/8		38
1126 (CP231/3 x BBt)/2 x PI215,936 (248) E/D/MN/I	421	7/24	8/6	8-27 (117)	38
B581A6-161,	314	7/24	8/8	8-26	44
1127 (CP231/3 x BBt)/2 x PI 215,936 (249) ME/MN/I/MT	404	7/22	8/6	8-26 (116)	43
B581A6-281,	316	7/23	8/2	8-25	43
1128 (CP231/3 x BBt)/2 x PI215,936 (250) E/D/I/MT	431	7/22	8/3	8-25 (115)	46
B581A6-458,	317	7/22	8/1	8-25	46
1129 (CP231/3 x BBt)/2 x PI215,936 (251) E/MD/I/T-	402	7/23	8/3	8-25 (115)	43
B581A6-473-2,	319	7/25	8/8	8-25	46
1130 (CP231/3 x BBt)/2 x PI215,936 (254) ME/I/MN/T	406	7/26	8/7	8-25 (115)	47

Blast R-1 / R-6	Str Hd / HB	Iod/AHR 62 / 63	Burnet 62 / 63				
Lodging							
	MS	24/I	1002	1058			ML
			866	1092			
			62.3	67.8			
			3736	4300	23.1	26.5	
		16/I	1261	1258			L
			1154	1297			
			59.4	67.6			
	R	62/I/H	4830	5110	29.8	31.5	
	R		1272	1227			L
			1083	1089			
			57.7	68.2			
			4710	4632	29.1	28.6	
	MR	19/I	1018	1096			L
			951	1220			
			55.0	65.4			
			3938	4632	24.3	28.6	
	R		1246	1258			L
	Org R	22/I	1172	1286			
			60.3	67.4			
			4836	5088	29.9	31.4	

	cl60# N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B581A4-15,	311	7/26 S	8/10		41
1126 (CP231/3 x BBt)/2 x PI215,936	422	7/26 S	8/8	8-30	42
(248) E/D/MN/I	In ponds, field heads			8-30 (120)	42
B581A6-161,	313	7/26	8/10	8-26	48
1127 (CP231/3 x BBt)/2 x PI 215,936	403	7/26	8/8		46
(248) ME/MN/I/MT				8-26 (116)	46
B581A6-281,	315	7/25	8/6	8-26	47
1128 (CP231/3 x BBt)/2 x PI215,936	432	7/24	8/6		49
(250) E/D/I/MT				8-26 (116)	48
B581A6-458,	318	7/25	8/4	8-25	47
1129 (CP231/3 x BBt)/2 x PI215,936	401	7/23	8/6		45
(251) E/MD/I/T-				8-25 (115)	46
B581A6-472-2,	320	7/27	8/11	8-25	48
1130 (CP231/3 x BBt)/2 x PI215,936	405	7/28	8/10		48
(254) ME/I/MN/T				8-25 (115)	48

1058				ML
1092				
4300	23.1	26.5		
1258				L
1297				
5110	29.8	31.5		
1227				L
1089				
4632	29.1	28.6		
1096				L
1220				
4632	24.3	28.6		
1258				L
1286				
5088	29.9	31.4		

	JOHN	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B581A6-545-2-2,	322	7/26	8/5	8-28	32
1131 (CP231/3 x BBt)/2 x PI215,936	428*	7/25	8/4	8-28	32
(7755) (velvet lt mod yield col '63)				8-28 (118)	33
* golden cast of 22 E/MD/MW/VS (velvet lt, v dark green leaves)					
CI 9545	323	7/27	8/5	8-27	40
1132 B	410	7/28	8/5		43
(65)				8-27 (117)	42
E/MD/I/I					
B571A2-42-4,	325	7/25	8/4	8-27	41
1133 (CP231/3 x BBt) x PI215,936	416	7/25	8/4	8-27	40
(244)				8-27 (117)	41
ME/L/MW/I					
B571A1-18-5-2,	328	7/30	8/9	8-28	45
1134 (CP231/3 x BBt) x PI215,936	420	7/31	8/8	8-30	46
(6232)				8-29 (119)	46
E/MD/I/I v good plat, rough hulls, mod					
B586A5-1-2	330	7/29	8/9	8-30	45
1135 BBt50 x PI215,936	434	7/25	8/7		47
(7621-22)				8-30 (120)	46
ME/I/MW/I					

Blast	Str Hd	Id/ALK	Blast	
R-1 / R-6	HB	62 / 63	62 / 63	
Hob Stag				

	(R) (0)	R	22/L		1084	1159			ML
					721	779			
	68.9	71.3							
					3610	3876	22.3	23.9	
		R	18/L	41	1612	1521			M
					1477	1382			
	69.7	73.6							
					6178	5806	38.1	35.8	
	(R) (2)		20/L		1413	1414			M
					1415	1303			
	68.3	70.7							
					5656	5434	34.9	33.5	
R) (St R)	(R)		9/L		1237	1324			M
					1320	1293			
	63.8	70.2							
					5114	5234	31.6	32.3	
	(2 org) (4 org)		54/L		1118	1030			L
					1040	853			
	63.3	71.0							
					4316	3766	26.6	23.2	

	160# N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B581A6-545-2-2,	321	7/28	8/8	8-27	37
1131 (CP231/3 x BBt)/2	427*	7/27	8/7	8-28	37
x PI215,936					
(7755) (valu					
* gathering of 27					
E/MD/MN/V				8-28 (118)	37
CI 9545	324	7/29	8/9	8-31	41
1132 B	409	7/30	8/8		44
(65)					
E/MD/I/I				8-31 (124)	44
B571/A2-42-4,	326	7/27	8/8	8-29	43
1133 (CP231/3xBBt)	415	7/27	8/7	8-30	42
x PI215,936					
(244)					
ME/L/MV/I				8-30 (120)	43
B571/A1-18-5-2,	327	8/1	8/11	8-30	48
1134 (CP231/3 x BBt)	419	8/2	8/10	8-30	48
x PI215,936					
(6232)					
E/MD/I/I				8-30 (120)	48
B586A5-1-2	329	7/31	8/12	8-30	48
1135 BBt50 x	433	7/28	8/10		49
PI215,936					
(7621-22)					
ME/I/MV/T				8-30 (120)	49

	1159			ML
	779			
	3876	22.3	23.9	
	1521			M
	1382			
	5806	38.1	35.8	
	1414			M
	1303			
	5434	34.9	33.5	
	1324			M
	1293			
	5234	31.6	32.3	
	1030			L
	853			
	3766	26.6	23.2	

		DATES			
		HEADING		FULL	PLANT HT. (IN.)
	80#/N	1ST	FULL	RIPE	
B≤818A15-51-3,	331	7/30	8/9	8-29	41
1136 Gulfrose X	426	7/30	8/9	8-29	42
PI 215,936					
Extra (7575)					
E/D/I/VT + vlong flop erect				8-29 (119)	42
CENTURY/PATNA-23/	334	7/27	8/7	8-30	51
1137 CI. 8993	413	7/28	8/8	8-30	51.
(FI)					
MS/L/MN/MT				8-30 (120)	51

Blast R-1 / R-6	Stn. Hd HB	Iod/ALK 62 / 63	Biuret 62 / 63				
Lodging							
	(S) (R)	14/4		1291 1159	921 995		
	68.9	70.4		4900	3912	30.2	23.5
	(S) (S)	83/4	42	1261 1066	882 982		
20%	63.1	66.2		4654	3728	28.7	23.0

	160 ft N	DATES HEADING 1ST	DATES HEADING FULL	DATES Fill. RIPE	PLANT HT. (IN.)
BS818A15-51-3,	332	8/2	8/12		45
1136 Gulfrose X [PI 215,936]	425	8/2	8/12	8-30	43
Extra (7515) E/D/I/VT+				8-30 (120)	44
Century Patna-23, CI. 8993	333	7/30	8/10	8-30	53
1137	414	7/30	8/10	8-31	53
(FI) MS/L/MN/M				8-31 (121)	53

July

921 M
995

3812 30.2 23.5

76% 882 L
90 982

3728 28.7 23.0

A = 80#N
B = 160#N

GROUP III Sown: 5-2, on Block 25W,S5, Plot 501 IN So.W. Cor NE¼		80#N A	DATES HEADING 1ST	DATES HEADING FULL	DATES RIPE	PLANT HT. (IN.)
1141	B572A3-47-5-3-3, PI215,936 x CI9214	501 618	8/4 8/4		9-5 9-3	44 48
Hv 9-9	(6033) ALL gd rows CP-231 ME/I/MN/I				9-4 (125)	46
1142	B572A3-47-15-2-2, PI215,936 * x C.I.9214	504 623	8/5 8/6		9-7 9-8	45 47
Hv 9-9	(6065) E/VD/MN/I	v uni heading in		80# rate	9-8 (129)	46
1143	B572A2-10-3-1-2 PI215,936 x CI9214	505 614 *	7/25	8/6 8/8	8-28	41 39
Hv 8-29	(5908) * gd rows CP-231 E/D/I/I				8-28 (118)	40
1144	B572A3-47-2,	508 615	7/26	8/9 8/10	8-29	46 47
	(273) E/D/MN/I				8-29 (119)	47
1145	B572A3-22-6-3-2, PI215,936 xCI9214	510 634	7/30	8/8 8/8	8-29 8-29	– –
Extra Hv 8-29	(Fast [illegible] in 1962) (5930)(V short ht, 75cm [illegible] gd col '63) E/D/MN/MS (Sups rough + smooth)				8-29 (119)	

Ex[illegible] 8/a [illegible] Japonica for T[illegible]

Blast / R-1 / R-6	Str. Hd / HB	Iod/ALK 62 / 63	Biuret 62 / 63		Yield BU/A 80#N	160#N	
Lodging							
(R) (S)	(R) (R)	(12/L)		1064 1231	1131 938		L
	24.4	70.4					
			66/A	4590	4138	28.3	25.5
(R) (S&R)	(R) (O) R	14/I		1171 1162	1536 1533		L
	46.9	68.7					
				4676	6138	28.9	37.9
	(R) (I)	21/L PINK		1128 1150	1539 1224		L
	56.6	65.7					
				4556	5526	28.1	34.1
	(R) (R)	(14/I)		1300 1257	1310 1229		L
	53.4	69.4					
				5108	5078	31.5	31.3
	(mR) R	(20)/I		1338 1381	1493 1444		M To S
	69.8	74.6					
				5438	5874	33.6	36.3

A = 80 ± N
B = 160 ± N

GROUP III Sown: 5-2, on Block 25 W S5, Plot 501 IN So. W. CORNER	160# B	DATES HEADING 1ST	DATES HEADING FULL	DATES RIPE	PLANT HT. (IN.)
B572A3-47-5-3-3,	502	8/7		9-4	46
1141 PI215,936 × CI9214	617	8/8		9-4	50
H₂O 9-9 (6033) ALL gd leave CP-231 ME/I/MN/I				9-5 (126)	48
B572A3-47-15-1	503	8/8		9-9	49
1142 PI215936 × CI9214	624	8/9		9-10	50
H₂O 9-9 (6065) E/VD/MN/I				9-10 (131)	50
B572A2-10-3-1-2	506	7/27	8/9	8-30	44
1143 PI215,936 × CI9214	613*		8/11		45
H₂O 8-29 (5908) * gd leave CP-231 E/D/MN/I				8-30 (120)	45
B572A3-47-2,	507	7/27	8/12		48
1144	616		8/13		49
(273) E/D/MN/I				8-30 (120)	49
B572A3-22-6-3-2,	509	8/3	8/9	8-29	—
1145 PI215,936 × CI9214	633		8/10	8-29	—
Extra 8-29 (Last supplied (5930) Velvet H₂O E/D/MN/MS				F-29	—
Excellent appearance 8/9				9-9 (129)	

	Yield Bu/A		
	80# N	160#N	
1131			L
938			
4138	28.3	25.5	
1536			L
1533			
6138	28.9	37.9	
1539			L
1224			
5526	28.1	34.1	
1310			L
1229			
5078	31.5	31.3	
1493			~~M~~
1444			To S
5874	33.6	36.3	

		POP N	DATES HEADING 1ST	DATES HEADING FULL	DATES RIPE	PLANT HT. (IN.)
	B572A3-22-8-2-1,	512	7/31	8/8	9-3	47
1146	PI215,936 x CI9214	631		8/8	9-3	44
Hv 9-9	(5935) (shortlist, Col '63) E/MD/I/T				9-3 (124)	46
	B572A5-11-4-3-1,	513	8/4		9-6	48
1147	PI215,936 XCI9214	611	8/6		9-6	49
Hv 9-9	(6212) ME/L/I/MT (shortlist, Col '63)				9-6 (132)	49
	B573A2-4-3-2-3	516	7/30	8/11	9-4	49
1148	PI215,936 XCI9402	622		8/12	9-6	49
Hv 9-9	(6154) ME/D/I/T				9-5 (126)	49
	B585A1-63-1-3	517			9-9	52
1149	BBt50 x Dima	605			9-10	49
Hv 9-9	(2444) ME/I-L/I/MT				9-10 (131)	51
	B583A1-68-2-1,	520	8/6		9-7	57
1150	CP231 x Dima	628*	8/8		9-7	52
Hv 9-9	(2903) * gd sour CP-231 ME/ML/N/T				9-7 (128)	55

Blast R-1 / R-6	Str Hd / HB	Tod/ALK 62 / 63	Biuret 62 / 63					
Lodging								
(R) (R)	(R) (D) R	17/L		1579	1630			H
				1422	1615			to S
	62.3	72.7						
				6002	6490	37.1	40.1	
(R) (S+R)	(R) R	15/(L)		1117	1051			L
				1084	957			
	43.9	66.2						
				4412	4016	27.2	24.8	
	(MS) neg	16/L		1201	1171			M
				1239	964			
	43.9	69.6						
				4876	4270	30.1	26.4	
	(S)	27/I	30	910	848			L
				704	858			
	39.3	61.7						
				3228	3412	19.9	21.1	
		82	28	988	871			L
				630	844			
	46.1	60.3						
				3236	3430	20.0	21.2	

			DATES			
			HEADING			PLANT
			1ST	FULL	RIPE	HT. (IN.)
B572A3-22-8-2-1,	511		8/2	8/10	9-7	50
1146 PI215,936 x CI9214	632			8/10	9-4	48
W 9-9 (5935) (Velvet) E/MD/I/T					9-7 (128)	50
B572A5-11-4-3-1,	514		8/9		9-8	51
1147 PI215,936 X CI9214	612		8/10		9-7	52
W 9-9 (6212) ME/L/I/MT					9-8 (129)	52
B573A2-4-3-2-3	515		8/2	8/14	9-6	54
1148 PI215,936 x CI9202	621				9-7	52
W 9-9 (6154) ME/D/I/T					9-7 (128)	53
B585A1-63-1-3	518				9-11	56
1149 BBt50 x Dima	606				9-10	52
W 9-9 (2444) ME/I-L/I/MT					9-11 (132)	54
B583A1-68-2-1,	519		8/9		9-9	61
1150 CP231 x Dima	627*		8/9		9-8	57
W 9-9 (2903) * good sour CP-231 ME/ML/N/T					9-9 (130)	59

Hodge

	1630			M
	1615			to S
	6490	37.1	40.1	
	1051			L
	957			
	4016	27.2	24.8	
	1171			M
50%	964			
	4270	30.1	26.4	
	848			L
	858			
	3412	19.9	21.1	
	871			L
	844			
	3430	20.0	21.2	

			DATES			
			HEADING			PLANT HT. (INS.)
		80#N	1ST	FULL	RIPE	
	B572A2-7-3-1-5,	521	7/18	8/7	8-25	43
1151	PI 215,936 x CI9214	619		8/9	8-25	44
H 8-29	(5879)	Severe	blight in	high N	plots	
	E/D/I/MT				8-25 (115)	44
	Century Patna-231	524	7/25	8/8	9-1	52
1152		601		8/9	9-1	47
H 9-9	(Fd)					
	ME/I-L/MN/MT				9-1 (122)	50
	B563A1-7-3	526	7/26	8/10	8-27	34
1153	Irrad CP231 Dw, x Rex B6F-50	630		8/10	8-27	33
H 8-29	(294)					
	ME/ML/MN/MT				8-27 (117)	34
	B545A1-61-3	528	7/27	8/8	8-27	47
1154	CP231/2 x HO12	607		8/8	8-27	49
H 8-29	(323)					
	E/MD/N/MT				8-27 (117)	48
	B5334A1-25-1	529	7/30	8/9	8-28	46
1155	CP231 x CI 9259	626		8/8	8-28	45
H 8-29	(324)					
	ME/L/N/VS	Excellent	plant	type	8-28 (118)	46

Host	Str Hd	Dod/Alk	Blue
R-1 / R-6	HB	62 / 63	62 / 63

lodging

	(S)	(32/L)		1313	1311			ML
	(neg)			1301	1237			
	63.6	62.9						
				5228	5096	32.3	31.5	
<40%	(S)	83/H	42	1188	1203			L
	(S)			1102	1247			
	57.5	66.6						
				4580	4900	28.3	30.2	
	(R)	(80)		916	741			L
				914	635			
	63.1	67.0						
				3660	2752	22.6	17.0	
		(35/H/I)		1866	1137			L
				1037	1236			
	60.1	66.9						
				4206	4746	26.0	29.3	
		(23/I)		1123	1441			MC
				1177	1234			
	66.4	70.5						
				4600	5350	28.4	33.0	

c 160#N

B572A2-7-3-1-5,	.522	7/20	S 8/10	F-26	48	
1151 PI 215,936 x CI9214	620		8/12	8-25	47	
Hv 8-29 (5879) E/D/I/MT				8-25 (115)	48	
CENTURY/PATNA-231	523	7/27	8/11	9-1	54	
1152	602		8/12	9-1	52	
Hv 9-9 (F0) ME/I-L/MN/				9-1 (122)	53	
B563A1-7-3	.525	7/29	8/13	8-28	37	
1153 Irrad CP231 Dw. x ~~B5[illegible]~~ B5-50	.629		8/13	8-29	36	
Hv 8-29 (294) ME/ML/MN/M	Hyb steadily in height			F-29 (119)	37	
B545A1-61-3	.527	7/30	8/10	8-29	52	
1154 CP231/2 x H012	.608		8/11	F-28	52	
Hv 8-29 (323) E/ND/N/MT				F-29 (119)	52	
B5334A1-25-1	.530	8/2	8/12	F-30	51	
1155 CP231 x CI9259	.625		8/11	8-29	48	
Hv 8-29 (324) ME/L/N/VS				F-30 (120)	50	

Judge					
	1311				ML
	1237				
	5096	32.3	31.5		
60%	1203				L
10%	1247				
	4900	28.3	30.2		
	741				L
	635				
	2752	22.6	17.0		
	1137				L
	1236				
	4746	26.0	29.3		
	1441				ML
	1234				
	5350	28.4	33.0		

	Lot # N	DATES HEADING 1ST	DATES HEADING FULL	DATES RIPE	PLANT HT. (IN.)
B5580A1-15	531	7/28	8/10	E-30	
1156 CP231 x SL0-17	609		8/11	E-30	
HUE-29 (325) ME/MD/N/V S (short lit, cl, '63)				E-30 (20)	—
B5333A2-21-3	534	7/25	8/8	E-27	51
1157 CP231 x H0-341	603		8/8	E-26	46
W.E.-29 (317) E/I/MN/T+				E-27 (17)	49

Blast R-1 / R-6	Sth. Hd / A.B.	Dod/Alk 62 / 63	Buret 62 / 63					
Lodging								
	dry (55/F.H)			1267	1548			L
				1254	1424			
	56.9	64.8						
				5042	5944	31.1	36.7	
	(18/I.)			1354	1316			L
				1076	1315			
	59.2	67.3						
				4860	5262	30.0	32.5	

	160#N	DATES HEADING 1ST	DATES HEADING FULL	DATES RIPE	PLANT HT. (IN.)
B5580A1-15	532	7/29	8/17	8-30	
1156 CP231 x SL0-17	610		8/14	8-30	
8-29 (325) ME/MD/N/V				8-30 (120)	—
B5333A2-21-3	533	7/27	8/10	8-27	56
1157 CP231 x H0-341	604		8/10	8-28	52
8-29 (317) E/I/MN/T+				8-28 (118)	54

1548 L
1424

5944 31.1 36.7

1316 L
1315

526230.0 32.5

Group IV Sown: 5-2 2 w, 55		80#N	DATES HEADING 1ST	 FULL	 RIPE	PLANT HT. (IN.)
	B5818A15-20-3,	702	7/18	7/26	8/15	39
1161	Gulfrose	824	7/17	7/25	8/15	42
Extra	x [PI-215,936]					
HU 8-21	(7468) no lodging 8/9, ready to				harv on 8-15 (105)	80# rat 41
	ME/I/I+/T v short ht, rough					
	Taichung Nat #1 PI-271672	703 *	7/24	8/5	8-28	37
1162A	E/ML/MN/S	(no HB symptoms (0) in Col/63)		Erect flags	8-28 (118)	37
	Kaoshiung #68	~~833~~				
1162 B	PI-275426 ME/MD/MN/T	833	7/25	8/5	8-29	48
	8834 *II, II 8746					
HU 8-30	* gl new CI 9545				8-29 (119)	48
	Chia-Nung-242	706	7/25	8/8	8-30	48
1163	PI 275,423	809		8/8		48
[illegible] Discard this line Has long leaves	(8740)				8-30 (120)	48
HU 8-30	E/MD/MN/T	Consid Pan blight both reps				
	Taichung-176	707	7/29	8/6	9-3	42
1164	PI 275,429	805		8/7	9-3	42
HU 9-4	(8816)	707 & 708 should probably				
	E/D/N/MS-I	be reversed			9-3 (124)	42
	PI.215,936	710	7/30	8/8	9-3	45
1165		821	7/30	8/8	9-3	45
HU 9-9	(64)					
	E/D/MN/I				9-3 (124)	45

PI 215936 is taller than Taichung 176

Blast R-1 / R-6	St. Hd / HB	Lod/ALH 62 / 63	Burst 62 / 63					
Lodging						Bu/A 80 HN	160 HN	
	(MR) (R)	52/4		1239 / 1296	1159 / 1034			M
				65.2	70.3			
				Lbs/A	5070	4386	31.3	27.1
	R(2)	25/4		1288 / 1152	1696 / 1784			M
				Lbs/A			44.1	41.9
	R(1)	25/4		1241	1363			
				59.0	71.8			
				Lbs/A	4964	5452	30.6	33.7
	3 MR	23/4		1007 / 1127	1175 / 1162			M
				61.6	68.4			
					4268	4674	20.3	28.9
	2 R	42/4		1429 / 1795	1246 / 1375			S
				56.7	72.8			
					5248	5242	32.4	32.4
	(MR) (R) R	43/4		1517 / 1308	1625 / 1603			S
				67.8	72.8			
					5650	6456	34.9	39.9

Group IV
Sown: 5-2
23 W, 55

		160#N	DATES HEADING 1ST	DATES HEADING FULL	DATES RIPE	PLANT HT. (IN.)
	B 5818 A 15-20-3,	701	7/19	7/27	8-16	42
1161	Gulfrose	823	7/18	7/26	8-15	46
Extra	x PI 215,936					
11 8-21	(7468) no					
	ME/I/I+/T				8-16 (106)	44
	Taichung Nat #1 PI-27,672	704*	7/26	8/7	8-31	40
1162	AE/MD/MN/S Kaoshiung #22 PI. 275426	834				
1162 B	ME/MD/MN/T			8/9	8-31	51
11 8 30	8834 *II, II 8746					
	* gl mm CI 9545				8-31 (121)	46
	Chia-Nung -242	705	7/26	8/10	8-30	50
1163	PI 275,423	810	some ripe	8/10		52
	Poor Discard this line		Hgt 54 cm.			
	too long leaves (8740)					
11 8 30	E/MD/MN/T				8-30 (120)	51
	Taichung - 176	708	7/30	8/9	9-3	46
1164	PI 275,429	806		8/10	9-4	44
11 9-9	(8816)					
	E/D/N/Ms-I				9-4 (125)	45
	PI. 215,936	709	8/1	8/10	9-5	49
1165		822	8/1	8/11	9-3	51
11 9-9	(641)					
	E/D/MN/I				9-4 (125)	50

PI 215936 is Tall thin Tai

Lodge

Rel. A

	80 HN	160 HN	
1159			M
1034			
4386	31.3	27.1	
1696			M
6784	44.1	41.9	
50% 1363			
5452	30.6	33.7	
1175			M
1162			
4674	20.3	28.9	
1246			S
1375			
5242	32.4	32.4	
1625			S
30% 1603			
6456	34.9	39.9	

		80# r	DATES HEADING 1ST	FULL	RIPE	PLANT HT. (IN.)
	CI 9545	712	7/27	8/7	8-29	42
1166		828		8/6		42
H° 8-3°	[Sl shorter than PI on 6/26 otherwise the same 2 ped (65) like Tarch 176]					
	E/D/MN/I				8-29 (119)	42
	BLUEBONNET-50	713	8/10		9-9	54
1167	CI. 8990	804	8/10		9-8	53
H° 9-9	(Fd.)					
	MS/L/MW/Tx				9-9 (130)	54
	B573A4-10-1-3-3	715	8/5		9-10	46
1168	PI 215,936	831			9-9	47
	x CI 9402					
H° 9-9	(6170)					
	ME/MD/MN/I+				9-10 (131)	47
	B5111A1	717	8/9		9-9	48
1169	CP231x	802	8/9		9-8	42
	Zoyas Bozan					
H° 9-9	(7956)					
	ME/MH/I/MT				9-9 (130)	45
	B572A3-38-7-3-2	720	8/4		9-6	49
1170	PI 215,936	811	8/5		9-6	50
	x CI 9214					
H° 9-9	E/I-MD/MN+/T (6001)				9-6 (127)	50

v clear texture in 6² Qs (good yield, v short ht (95 cm) col '63)

pl type as good as 9545?

Blast	Str. Hd	Id/Hk	Burnet
R-1 / R-6	HB	62 / 63	62 / 63

Lodging

	R	18/L	41	1512	1546			M
				1445	1376			
	69.6	73.8						
				5914	5844	36.5	36.1	
		39/I	34	811	785			L
				825	718			
	45.7	63.9						
				3372	3006	20.8	18.6	
(R) (R)	(R) Tang S	9/L		1363	1435			M
				1364	1323			Tang
	47.1	69.1						
				5454	5516	33.7	34.1	
(R)	(R)	24/(R)L		1031	901			L
				954	1019			
	54.1	65.3						
				3970	3840	24.5	23.7	
(R) (R)	(R) R	20/I	R	1295	1225			ML
				1224	1231			
	47.5	69.8						
				5038	4912	31.1	30.3	

				DATES			
			160#N	HEADING 1ST	HEADING FULL	RIPE	PLANT HT. (IN.)
		CI 9545	711	7/28	8/9	8-31	45
1166			827		8/9		43
		Sl shorter than PI otherwise the same 2 mud (65) like Tar					
	H 8-30	E/D/MN/I				8-31	44
		BLUEBONNET 50	714	8-12		9-10	57
1167		CI. 8990	803			9-9	58
	H 9-9	(Fd.)				9-10	
		MS/L/MW/Tx	Some blanketing			8/9 (131)	58
		B573A4-10-1-3-3	716	8/7		9-10	49
1168		PI 215,936	832			9-9	50
		x CI 9402					
	H 9-9	(6170)					
		ME/MD/MN/I				9-10 (131)	50
		B5/11A1	718	8/11		9-9	50
1169		CP231x	801			9-9	46
		Zayas Bazan					
	H 9-9	(9956)					
		ME/ML/I/MT				9-9 (130)	48
		B572A3-38-7-3-2	719	8/6		9-7	52
1170		PI 215,936	812	+8/7 8/11		9-8	52
		x CI 9214					
	H 9-9	E/I-MD/MN+/T (60011)					
		v clean texture in 6² 9s (9	find some blast with			9-8 (129)	52
		pl type as good as 9545	type 4.				

	1546			M
	1376			
	5844	36.5	36.1	
	785			L
	718			
	3006	20.8	18.6	
	1435			M
	1323			Large
	5516	33.7	34.1	
	901			L
	1019			
	3840	24.5	23.7	
	1225			ML
	1231			
	4912	31.1	30.3	

	JOHN	DATES HEADING 1ST	DATES HEADING FULL	DATES RIPE	PLANT HT. (IN.)
B585A 1-29-1-1	721		8-30		54
1171 BBt50 x Dima	829				54
Hv. 10-9-63					
(291)					
MS/ML/I/T+				-	54
B585A 1-62-1-2,	724	8-14			53
1172 BBt50 x Dima	807	8-13			51
Hv. 10-9-63					
(2406, 07)					
ME/D/N/VS				-	52
B585A 1-63-1-1	725	8-12			54
1173 BBt50 x Dima	817	8-12			53
Hv. 10-9-63					
(2408)					
E/MD/N/I+				-	54
B5617A 26-5-1-2,	728	8/8		9-7	51
1174 Rex/2x PI 183,331	825	8/9		9-7	48
9-9					
(2158, 59)					
E/I/N/I-MS				9-7 (28)	50
B5617A 36-69-2-2	730	8-15			46
1175 Rex/2x PI 183,331	815				46
Hv. 10-9-63					
(292)					
S/L/I/S				-	46

Blast R-1 / R-6	Str. Hd / HB	Id/ALK 62 / 63	Burst 62 / 63					
Lodging								
	(S) R	25/		747	659			L
				978	849			
	28.8	64.8						
				3450	3016	21.3	18.6	
	(VS)	45/I	25	730	810			L
				515	739			
	41.7	66.2						
				2490	3098	15.4	19.1	
	(S)	29/I	29	711	956			L
				758	990			
	30.1	58.4						
				2438	3892	18.1	24.0	
	(S)	29/I	24	789	907			L
				768	864			+ Sl
	43.1	66.2						
				3114	3542	19.2	21.9	
	(MR)	17/I		620	460			L
				584	479			
	29.5	63.2						
				2408	1878	14.9	11.6	

	1/60th N	DATES HEADING 1ST	DATES HEADING FULL	DATES F. I. RIPE	PLANT HT. (IN.)
B585A 1-29-1-1	722		8-31		56
1171 BBt50 x Dima	830				57
Hv. 10-9-63					
(291)					
MS/ML/I/T+				-	57
B585A 1-62-1-2,	723	8-15			57
1172 BBt50 x Dima	808	8-15			56
Hv. 10-9-63					
(2406,07)					
ME/D/N/VS				-	57
B585A 1-63-1-1	726	8-14			56
1173 BBt50 x Dima	818	8-13			55
Hv. 10-9-63					
(2408)					
E/MD/N/I+				-	56
B5617A 26-5-1-2,	727	8/10		9-8	56
1174 Rex/2x PI 183,331	826	8/10		9-9	53
9-9					
Hv (2158,59)					
E/I/N/I-N				9-9 (170)	55
B5617A 36-69-2-2	729				47
1175 Rex/2x PI 183,331	816				50
Hv. 10-9-63					
(292)					
S/L/I/S				-	49

659
649

3016 21.3 18.6

610
739

3098 15.4 19.1

956
990

3892 18.1 24.0

907
864

3542 19.2 21.9

460
479

1878 14.9 11.6

	80#N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B5617A40-24-2	732	8-16			
1176 Rex/2 x PI183,331	820	8-15			44
Nu 10-9-63 (331) E/D/N/S				—	44
B5617A1-48-3-1	733	8/5		9-7	50
1177 Rex/2 x PI183,331	814	8/5		9-5	50
Nu 9-9 (2076-77) E/I-MD/I/I				9-6 (127)	50

Blast R-1 / R-6	Str. Hd / NB.	Ind/Alk 62 / 63	62 / 63	
Lodging				
	(5)	14/I	25	768 1026 L 998 927
	13.7	65.3		3532 3906 21.8 24.1
	(5)	12/I	(28)	1116 1040 L 1117 1031
	34.9	68.2		4466 4142 27.6 25.6

	160#N	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
B5617A40-24-2	731	8-			
1176 Rex/2 x PI183,331	819				48
Hu 10-9-63					
(331)					
E/D/N/S					48
B5617A1-48-3-1	734	8/8		9-8	54
1177 Rex/2 x PI183,331	813	8/9		9-7	52
Hu 9-9					
(2076-77)					
E/I-MD/I/				9-8 (129)	53

1026				L
927				
3906	21.8	24.1		
1040				L
1031				
4142	27.6	25.4		

GLUTINOUS SELECTIONS YIELD TEST

Town: 5-3 27W, S5 Start in NW corners		DATES HEADING 1ST	DATES HEADING FULL	DATES SILK RIPE	PLANT HT. (IN.)
Sel - No. 10,	141	7-17s		8-13	42
1201 Cody x PI 160, 878	550	7-17s			48
Hv 8-14 (8405) E/L/IY/MT	Sy adv	7-17		8-13	45
Sel. No. 18	142	7-15		8-13	53
1202 Cody x PI 160, 878	354	7-15			51
Hv 8-16 (8409) ME/ML/mw/T		7-15		8-13	52
Sel. No. 24	143			8-28	47
1203 Cody x PI 160, 878	546			8-28	47
Hv 8-28 (8416) E/ML/mw/T		7-26		8-28	47
Sel. No. 42,	144			8-18	53
1201 Cody x PI 160, 878	353	7-16			47
Hv 8-16 (8424) ME/ML/w/T		7-16		8-18	50
PI 226, 182	145			8-29	45
1205	443			8-22	50
Hv 8-28 (8430) E/D/N/I		7-23		8-26	47

Blast R-1 / R-6	Str Hd HB	Fod/alk 62	Fod/alk 63	Biorot 62	Biorot 63	Yd. Grms.	lbs/A	Bu./A
lodging								
		29/				802		
						816		
		% Total MILL RICE						
		69.6						
—						1618	3256	20.1
		36/				947		
						1073		
						2020		
		69.4						
—						2020	4040	24.9
		5/				1259		
						1161		
		69.5						
—						2420	4840	29.9
		45/				984		
						1092		
		70.2						
—						2076	4152	25.6
		18/				1056		
						1075		
		68.6						
—						2131	4262	26.3

		DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
Sel No. 28,	146			8-28	47
1206 Cody x PI160878	452			8-22	48
(8446)					
Hy 8-27 ME/ML/mw/mT			7-24	8-25	48
Col-4616A6-1,	147			8-28	51
1207 (Col x A. Mochi) x CAL/3	554			8-27	48
(8454)					
Hy 8-28 E/D/N/mT			7-26	8-28	50
Col-4616A9-1-3,	148			8-27	51
1208 (Col x A. Mochi) x CAL/3	450			8-27	50
(8460)					
Hy 8-28 ME/D/mw/mT			7-26	8-27	51
CAL-4616A9-1-4,	149			8-27	49
1209 (Col x A. Mochi) x CAL/3	542			8-27	49
(8464)					
Hy 8-28 E/D/mw/mT			7-26	8-27	49
Mochi Gome	150			8-27	46
1210	351			8-28	46
(8478-79)					
Hy 8-29 ME/D/mN/mT			7-26	8-28	46

Blast R-1 / R-6	Str. Hd 62 / 63	Iod/Alk 62 / 63	Biuret 62 / 63			
Lodging						
		35/		1142 994		
—		70.4		2136	4272	26.4
		27/		1220 1194		
—		70.6		2414	4828	29.8
		34/		1254 1131		
—		70.8		2385	4770	29.4
		34/		1090 1253		
—		71.7		2343	4686	28.9
20%				1056 924		
10		70.5		1980	3960	24.4

		DATE HEADING 1ST	DATE HEADING FULL	DATE FULL RIPE	PLANT HT. (IN.)
CAL-5563A1, 1211 (Col x A.Mochi) x CAL/4 (8503) E/D/N/T	151 552	7-26		8-29	50 51
CAL-5564A2, 1212 (Col x A.Mochi) x CAL/4 (8515) E/D/N/MT	152 544	7-26		8-28	50 52 51
CAL-5565A1 1213 (Col x A.Mochi) x CAL/4 (8524) E/MD/N/T	153 548	7-25		8-28 8-27	52 53
CAL-5565A2 1214 (Col x A.Mochi) x CAL/4 (8526) ME/D/MN/T	154 442	7-25		8-27 8-27	49 49
CAL-5529A1 1215 (Col x A.Mochi) x CAL/4 (8532) E/D/N/T	241 446	7-25		8-28 8-27	47 51 49

2nd folk

62/63

lodging

	35/		1222		
Tr			1291		
	71.6				
Tr			2513	5026	31.0
	24/		1201		
Tr			1245		
	71.9				
Tr			2446	4892	30.2
	16/		1282		
Tr			1233		
	71.4				
Tr			2515	5030	31.1
	23/		1159		
			1151		
	71.2				
—			2310	4620	28.5
	28/		1311		
Tr			1184		
	72.4				
Tr			2499	4998	30.9

		DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
CAL-5529A3, (Col x A. Mochi) x CAL/4 (8535) E/D/N/T	242 454			8-27 8-28 8-28	50 51 51
CAL-5530A3 (Col. x A. Mochi) x CAL/4 (8547) E/D/N/T	243 449			8-28 8-28 8-28	45 45 45
Mochi Gomi (8549-44) E/D/N/T	244 453			8-29 8-29 8-29	46 48 47
PI 215,864 (8601) E/MD/I/TT	245 553	7-15 7-15		8-17 8-27 8-22	46 47 47
Crowley-7362 (8612-20) ME/ML/MW/T	246 448				49 48 49

2nd Alk.

62 / 63

lodging

	25	1216			
		1152			
	72.3				
Tr		2368	4736	2	9.2
	54	1228			
		968			
	70.4				
—		2196	4392	2	9.1
	L	1223			
		1062			
	69.6				
—		2285	4570		28.2
	48	1160			
		1268			
	72.1				
—		2428	4856		30.0
	75	1055			
		1037			
	68.2				
—		2092	4184		25.8

		DATES			
		HEADING		FULL RIPE	PLANT HT. (IN.)
		1ST	FULL		
PI 160, 871	247	7-19		8-17	49
1221	445	7-19			47
Hv. 8-16					
Scaftip burning in 6/26 (8634-35)					
I/h/I/VT		7-19		8-17	48
PI 160, 648	248	7-17		8-18	47
1222	549	7-17			48
Hv 8-16					
(8649)					
IS/I/N/T+		7-17		8-18	48
PI 215, 864	249			8-28	47
1223	451			8-28	46
Hv 8-28					
(8778)					
E/D/N/I				8-28	47
Ghut Zenith	250			8-22	52
1224 (FAM #1)	545	Hv 8-28		8-26	58
(8725)					
ME/I/mw/VT				8-24	55
PI 160, 534	251	7-18		8-16	58
1225	551	7-18		8-16	63
Hv 8-16					
(8728)					
I/mL/mW/		7-18		8-16	61

	Iod/ALK 62/63			
hedging				
		660		
		704		
	72.6			
—		1364	2728	16.8
		929		
		1012		
	68.6			
Tx		1941	3882	24.0
		—		
		1132		
	71.3			
—		1132	4528	28.0
		839		
		926		
	64.8			
—		1765	3530	21.8
		920		
		973		
	65.8			
—		1893	3786	23.4

		DAYS HEADING 1ST FULL	FULL RIPE	PLANT HT. (IN.)
	Kotobuki MocHi	252		46
1226		541		41
Hv 9-9	(9570)			
	I/D/N/I (Vohat, Vearly, Col '63)		9-9	44
	TAHEI MocHi	253	8-19	46
1227		444	8-21	45
	(9511)			
	E/D/N/I+ (Vohat, Vearly, Col '63)		8-20	46
	TAICHUNG MON-HWA-SHU	254	8-24	59
1228	PI 248,486	352	8-24	62
Hv 8-28	(9578)			
	S/L/N/VT+		8-24	61
	Col. 4626 A1-1-13-3,	341		42
1229		447		43
Hv 9-9	(20,424)			
	E/MD/N/I		9-9	43
	Crowley 4711-1	342		59
1230		547		56
Hv 9-9	(20,423)			
	ME/I/MW/VT+		9-9	58

Lobe

	Tr			1008		
				920		
		68.9				
–				1928	3856	23.8
80	1			931		
100				1046		
		69.9				
90				1977	3954	24.4
100				1407		
100			"	700		
		68.6	?			
100				2107	4214	24.0
				739		
				661		
		58.9				
–				1400	2800	17.3
				969		
				856		
		59.2				
–				1825	3650	22.5

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
	Waxy CP231	343				62
1231		441				59
40 9-9	(20,421) MS/E/I/VT2				9-9	61
		344				66
1232						
40 9-9	(C 5560) ME/L/W-/VT				9-9	66
		345				62
1233						
41 9-9	(C5561) S-/L/MW/VT				9-9	62
		346				65
1234						
	(2 rows only)					
169 9-9	(C5565) S/L/mw/VT				9-9	65
		347				66
1235						
41 9-9	(C5566) MS/L/MW/VT				9-9	66

		762			
		720			
	63.3				
—		1482	2964	18.3	
		589			
	58.0				
—		589	2556	15.8	
		735			
	58.6				
—		735	2940	18.1	
		1110			
	59.1				
—		1110	4440	27.4	
		897			
	62.8				
—		897	3588	22.1	

			DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	PLANT HT. (IN.)
		348				62
1236						
Hy 9-9	(C 5568) MS/L/mw/vT				9-9	62
		349				58
1237						
Hy 9-9	(C5569) MS/L/mw/vT				9-9	58
	MILKETAN No.21	350	8-27			56
1238	PI 260,662	543	8-28			55
	(G16) ME/D/E/I		8-28		9-30	56

908

60.7

908 3632 22.4

611

59.2

611 2574 15.7

74 Rd/E 30

555

520

61.6

1095 2150 13.3

V-F, Row Spacing, Rate of Seeding Study

Sown: 5-16 — 8 row (6 foot) plots

19E, 5S Reps. A+B
10E, 5S Reps. C+D

	Variety (Stations NE Corne, 6/26/63 MS/MH/I/L)	Row Space (in) / Seed. Rate (lb) / N. Rate (lb)	Seeding order no. / Reps.	Days Heading 1st	Days Heading Full	Days Full Ripe
	Bluebonnet-50	9	110	8-24		
1211	CI. 8990	80	122			
		80	302	8-23		
	(Fl.)		430			
				8-24		
1212	6/26/63 S/MD/I/I	9	101	8-26		
		80	226			
		160	413	8-26		
			325			
				8-26		
1213	S/MH/I/I	9	112	8-24		
		120	221			
		80	415	8-23		
			316			
				8-24		
1214	✓	9	204	8-26		
		120	228			
		160	407	8-27		
			418			
				8-27		
1215	✓	18	205	8-23		
		80	222			
		80	310	8-23		
			323			
				8-23		

= Total Gm/Plot ÷ 2

X .006173 = Bbl./A.

PLANT HT. (IN.)	Lodging	Gm/plot	Yield lb/A	Bbl/A
53	100	2021		
55	100	1950		
52	100	1984		
—	—	1983		
53	100%		3972	24.5
57	100	1981		
55	100	1147		
55	100	1358		
55	100	1130		
55	100%		2808	17.3
54	100	1928		
54	100	1682		
50	100	1908		
—	—	1733		
52	100%		3626	22.4
54	100	1480		
56	100	1122		
53	100	1397		
53	100	1580		
54	100%		2790	17.2
49	100	1812		
53	100	1746		
49	100	1949		
—	—	2080		
50	100%		3794	23.4

V-F, Row Spacing

Sown: 5-16

19E, 5S Reps. A+B
20E, 5S Reps. C+D

(Stallsinne Gene)

		Variety	Row	Seed	N. A
	6/26/63	MS/MI/I/I			
1211		Bluebonnet-50 CI. 8990 (F1)	9	8	8
1212	6/26/63	S/MD/I/I			16
1213		S/ML/I/I			8
1214		✓			16
1215		✓		8	8

lbs./A = Total GM/Plot ÷ 2

lbs./A X .006173 = Bu./A.

GM/plot	Yield lbs/A	Bu/A
2021		
1950		
1984		
1983		
	3972	24.5
1981		
1147		
1358		
1130		
	2808	17.3
1928		
1682		
1908		
1733		
	3626	22.4
1480		
1122		
1397		
1580		
	2790	17.2
1812		
1746		
1949		
2080		
	3794	23.4

	Variety	Row Space / Seed Rate / N Rate	Seeding Order No.	Dates Heading 1st	Dates Heading Full	Dates Full Ripe
	MS/MD/I/I Blue Bonnet-50	18	113	8-27		
1246	CI. 8990	80	124			
		160	410	8-26		
	(Fl.)		419			
				8-27		
	✓	18	213	8-24		
1247		120	116			
		80	401	8-24		
			326			
				8-24		
	✓	18	215	8-26		
1248		120	130			
		160	306	8-27		
			328			
				8-27		
	✓	18	206	8-23		
1249		40	229			
		80	414	8-23		
			329			
				8-23		
	✓	18	208	8-25		
1250		40	127			
		160	406	8-26		
			317			
				8-26		

PLANT HT. (IN.)	Lodging			
56	100	1675		
58	100	1536		
55	100	1683		
56	100	1495		
56	100%		3195	19.7
48	50	1468		
47	—	1632		
49	90%	1760		
50	100	1689		
49	80%		3525	21.8
54	100	1562		
—	—	1301		
54	100	1728		
57	100	1306		
56	100%		2949	18.2
55	95	1799		
54	70	1507		
50	100	1669		
—	—	1761		
53	90%		3368	20.8
58	100	1921		
60	90	1532		
60	100	1789		
58	100	1643		
59	97%		3443	21.3

VARIETY

MS/MD/I/E

BLUEBONNET-50

1246 CI. 8990

(FI.)

1247 ✓

1248 ✓

1249 ✓

1250 ✓

					1675				
					1536				
					1683				
					1495				
							3195	19.7	
					1968				
					1632				
					1760				
					1689				
							3525	21.8	
					1562				
					1301				
					1728				
					1306				
							2949	18.2	
					1799				
					1507				
					1669				
					1761				
							3364	20.8	
					1921				
					1532				
					1789				
					1643				
							3443	21.3	

	Variety	Row Space / Seed Rate / N Rate	Seeding Order No.	Dates: Heading 1st	Heading Full	Full Ripe
	CI. 9545	9	211	8/6		9-11
1251		80	225	8/7		9-11
		80	412	8/6		9-11
Hv 9-10	(65)		319	8/6		9-12
				8-6		9-11
	ME/VD/MD/I	9	109	8/11		9-12
1252		80	219	8/11		9-12
		160	315	8/10		9-12
Hv 9-10			425	8/10		9-12
				8-11		9-12
	E/D/I	9	203	8/8		9-11
1253		120	129	8/6		9-11
		80	408	8/8		9-11
Hv 9-10			429	8/8		9-11
				8-8		9-11
	ME/VD/I/I	9	115	8/11		9-12
1254		120	218	8/11		9-12
		160	411	8/11		9-12
Hv 9-10			416	8/11		9-12
				8-11		
	E/MD/I/I-	18	105	8/6		9-11
1255		80	120	8/7		9-12
		80	403	8/7		9-11
Hv 9-10			320	8/8		9-12
				8-7		9-12

PLANT HT. (IN.)	Lodge	Yields GMS/PLOT	LBS/A.	BLS./A
40	0	2868		
42	0	3194		
41	5	2901		
42	0	3116		
41	Tr		6040	37.3
45	30	3043		
45	80	2776		
47	0	3009		
45	80	2635		
45	45%		5732	35.4
41	0	2940		
41	0	2836		
40	0	2710		
41	0	2878		
41	0		5682	35.1
45	70	2367		
45	80%	2341		
45	70%	2474		
43	60%	3187		
45	70%		5185	32.0
43	0	2615		
43	0	2761		
39	0	2350		
41	0	2845		
41	0%		5286	32.6

	VARIETY	KIND
1251	CI. 9545	
Hv 9-10	(65)	
1252	ME/VD/MW/I	
Hv 9-10		
1253	E/D/✓I/I	
Hv 9-10		
1254	ME/✓VD/I/I	
Hv 9-10		
1255	E/MD/✓I/I-	
Hv 9-10		

Yields

GMS/PLOT	LBS/A.	BLS/A
2868		
3194		
2901		
3116		
	6040	37.3
3043		
2776		
3009		
2635		
	5732	35.4
2940		
2836		
2710		
2878		
	5682	35.1
2367		
2341		
2474		
3187		
	5185	32.0
2615		
2761		
2350		
2845		
	5286	32.6

	Variety	Row Space / Seed Rate / N Rate	Seeding Order No.	Dates: Heading 1st	Heading Full	Full Ripe
1256	CI. 9545 ME/VD/E/I	18	111	8/10		9-13
		80	126	8/10		9-12
		160	307	8/11		9-13
H 9-10	(65)		417	8/12		9-13
				8-11		9-13
1257	"	18	214	8/8		9-11
		120	117	8/8		9-11
		80	314	8/7		9-11
H 9-10			318	8/9		9-12
				8-8		9-11
1258	E/VD/E/I	18	201	8/9		9-12
		120	217	8/11		9-12
		160	304	8/10		9-12
H 9-10			420	8/12		8-12
				8-11		9-12
1259	E/VD/E/I	18	114	8/7		9-12
		40	224	8/8		9-12
		80	311	8/7		9-11
H 9-10			322	8/7		9-11
				8-7		9-12
1260	"	18	210	8/9		9-12
		40	227	8/10		9-13
		160	313	8/9		9-12
H 9-10			426	8/10		9-11
				8-10		9-12

PLANT HT. (IN.)	Lodging				
48	40	2901			
45	20	2782			
46	0	2806			
46	50%	2744			
46	25%		5622	34.7	
42	0	2389			
41	0	2528			
40	0	2661			
42	0	2605			
41	0%		5092	31.5	
45	0	2885			
45	70%	2755			
46	0-TV	2787			
46	60%	2547			
46	30%		5487	33.9	
43	0	2564			
43	0	2671			
41	0	2352			
42	0	2824			
42	0%		5206	32.1	
46	0	2496			
47	10%	2880			
44	0	3102			
45	60	2682			
46	17%		5830	36.0	

	Variety	
1256	CI. 9545 Me/VD/E/I	
	Hv 9-10 (65)	
1257	✓	
	Hv 9-10	
1258	E/VD/I/E	
	Hv 9-10	
1259	E/VD/E/I	
	Hv 9-10	
1260	✓	
	Hv 9-10	

2901			
2782			
2806			
2744			
	5622	34.7	
2389			
2528			
2661			
2605			
	5092	31.5	
2885			
2755			
2787			
2547			
	5487	33.9	
2564			
2671			
2352			
2824			
	5206	32.1	
2996			
2880			
3102			
2682			
	5830	36.0	

	Variety	Row Space / Seed Rate / N Rate	Seeding Order No.	Dates Heading 1st	Dates Heading Full	Dates Full Ripe
1261	CI 9444 MS/ML/E-MN/I	9	106	8-20		
		80	125			
		80	303	8-21		
			428			
				8-21		
1262	"	9	202	8-21		
		80	220			
		160	301	8-23		
			321			
				8-22		
1263	S/ML/N/I	9	108	8-20		
		120	123			
		80	409	8-20		
			330			
				8-20		
1264	"	9	404	8-23		
		120	118			
		160	309	8-22		
			421			
				8-23		
1265	MS/L/I/E	18	102	8-21		
		80	230			
		80	405	8-20		
			327			
				8-21		

PLANT HT. (IN.)	Lodging				
46	100	2490			
49	100	2131			
49	100	2278			
44	100	1941			
47	100%		4420	27.3	
50	100	1881			
52	100	1740			
48	100	2149			
50	100	1705			
50	100%		3738	23.1	
46	100	2273			
45	100	1896			
45	100	1849			
—	—	1960			
45	100%		4014	24.8	
45	100	1833			
46	100	1711			
48	100	2010			
48	100	1565			
47	100%		3560	22.0	
47	100	1910			
—	—	1956			
46	100	1950			
46	100	2109			
46	100%		3963	24.5	

	VARIETY	Ke / Se / A
1261	CI. 9444 MS/ML/I-MN/I	
1262		
1263	S/ML/N/I	
1264		
1265	MS/L/I/I	

2490			
2131			
2228			
1941			
	4420	27.3	
1881			
1740			
2149			
1705			
	3738	23.1	
2273			
1896			
1849			
1960			
	4014	24.8	
1833			
1711			
2010			
1565			
	3560	22.0	
1910			
1956			
1950			
2109			
	3963	24.5	

	Variety	Row Space / Seed Rate / N Rate	Seeding Order No.	Dates Heading 1st	Dates Heading Full	Dates Full Ripe
1266	CI. 9444	18	207	8-23		
		80	223			
		160	312	8-23		
			422			
				8-23		
1267	✓	18	209	8-21		
		120	216			
		80	308	8-21		
			324			
				8-21		
1268	S/MD/I/I ✓	18	107	8-22		
		120	119			
		160	402	8-23		
			427			
				8-23		
1269	✓	18	212	8-21		
		40	128			
		80	305	8-20		
			423			
				8-21		
1270	S/D/I/I ✓	18	103	8-22		
		40	121			
	S/D/I/I ✓	160	104	8-21		
			424			
				8-22		

PLANT HT. (IN.)	Lodging			
51	100	2044		
50	100	2125		
51	100	2133		
49	100	2079		
50	100 %		4191	25.9
45	100	2240		
42	75	1740		
44	100	2070		
46	100	2024		
44	95 %		4037	24.9
50	100	1992		
48	100	1662		
48	100	1990		
51	100	1763		
50	100 %		3704	22.9
48	50	2255		
—	—	1985		
49	100	2242		
49	100	2161		
49	80 %		4322	26.7
55	100	2049		
53	95	1957		
53	100	2002		
52	100	1868		
53	100 %		3937	24.3

	Variety
1266	CI. 9444
1267	✓
1268	S/MD/I/I ✓
1269	✓
1270	S/D/I/I ✓ S/D/I/II

2044			
2125			
2133			
2079			
	4191	25.9	
2240			
1740			
2070			
2024			
	4037	24.9	
1992			
1662			
1990			
1763			
	3704	22.9	
2255			
1985			
2242			
2161			
	4322	26.7	
2049			
1957			
2002			
1868			
	3937	24.3	

ROW-SPACING STUDY 42-43E, S4

Sown 7-15

		ROW SPACE SEED RATE N RATE	SEEDING OPPER NO.	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE
	BELLE PATINA	18	101			10-19
1271	cr. 9433	120	208			10-17
		160	302			10-16
Hv 10-21			404			10-19
						10-18
	✓	18	102			10-20
1272		40	210			10-18
		160	303			10-18
Hv 10-21			405			10-19
						10-19
	✓	9	103			10-16
1273		120	207			10-14
		160	306			
Hv 10-16			401			10-14
						10-15
	✓	18	104			10-10
1274		120	203			10-12
		80	307			10-10
Hv 10-14			410			10-12
						10-11
	✓	18	105			10-20
1275		80	205			10-19
		160	310			10-20
Hv 10-21			411			10-20
						10-20

% Lodge	Trellis GH/Plot	Mi./A.	Bbl./A.
5%	1605		
75%	1425		
80%	1072		
10%	1477		
47%		2790	17.2
	1760		
	1535		
5%	1811		
	1532		
T		3319	20.5
75%	1227		
60%	1438		
40%	1485		
50%	1460		
55%		2805	17.3
20%	1309		
35%	1141		
	1153		
T	1082		
15%		2343	14.5
	1701		
	1907		
5%	1613		
	1428		
T		3325	20.5

ROW - SPACING

Season 7-15

		K S N
1271	BELLE PATNA Cr. 9433	
	Hv 10-21	
1272	✓	
	Hv 10-21	
1273	✓	
	Hv 10-16	
1274	✓	
	Hv 10-16	
1275	✓	
	Hv 10-21	

Yields

GH/Plot	Mo./A.	Bu./A.
1605		
1425		
1072		
1477		
	2790	17.2
1760		
1535		
1811		
1532		
	3319	20.5
1227		
1438		
1485		
1460		
	2805	17.3
1309		
1141		
1153		
1082		
	2343	14.5
1701		
1907		
1613		
1428		
	3325	20.5

		Row Space / Seed Rate / N Rate	Seeding Order No.	Dates Heading 1st	Dates Heading Full	Dates Full Ripe
	Belle Patna	9	106			10-10
1276	C.I. 9433	80	201			10-10
		80	304			10-10
Av 10-16			409			10-10
						10-10
	✓	9	107			10-18
1277		40	211			10-20
		160	301			10-20
Av 10-21			406			10-20
						10-20
	✓	18	108			10-10
1278		80	212			10-10
		80	311			10-10
Av 10-16			407			10-10
						10-10
	✓	18	109			10-10
1279		40	206			10-14
		80	308			10-10
Av 10-16			412			10-12
						10-12
	✓	9	110			10-10
1280		40	204			10-14
		80	312			10-10
Av 10-16			403			10-12
						10-12

	Ladys				
	%				
46			1138		
47	10%		1061		
47	20%		1470		
48	10%		1640		
47	10%			2055	16.4
			1620		
			1804		
1	5%		1738		
2			1885		
1	Tr			3524	21.8
47			1533		
			882		
7			1167		
7			890		
7	0			2236	13.8
47			935		
7			972		
8			1276		
45			1290		
7	0			2237	13.8
49			839		
7			1236		
4			1136		
7			1097		
7	0			2154	13.3

		Row Seed No 1
1276	BELLE PATNA CI. 9433	8 8
1277		4 1
1278		1 8 8
1279		1 4 8
1280		4 8

					1138				
					1061				
					1470				
					1640				
						2655	16.4		
					1620				
					1804				
					1738				
					1885				
						3524	21.8		
					1533				
					882				
					1167				
					854				
						2236	13.8		
					935				
					972				
					1276				
					1290				
						2237	13.8		
					839				
					1236				
					1136				
					1097				
						2154	13.3		

		Row Space / Seed Rate / N Rate	Seeding Order No.	Dates Heading 1st	Dates Heading Full	Dates Ripe
	Belle Patna	9	111			10-14
1281	cr. 9433	80	202			10-17
		160	305			10-17
			408			10-17
	Hv 10-16					10-16
	✓	9	112			10-10
1282		120	209			10-10
		80	309			10-10
	Hv 10-16		402			10-11
						10-10

NT	Lodge %				
	80%		1323		
	80%		1489		
	60%		1599		
9	60%		1378		
	70%			2920	18.0
5	40%		1648		
0	80%		1706		
2	heavy buff		1584		
	40%		1273		
7	40%			3106	19.2

1281 Belle Patina
cr. 9433

Hu 10-16

1282

Hu 10-16

	1323		
	1489		
	1599		
	1378		
		2920	18.0
	1648		
	1706		
	1584		
	1273		
		3106	19.2

1765 = HB typ symptoms in some cases

3762

3756-58

3758-

Typical HB symptoms on 1177A

1169

1177 is similar to #25 check that out

1153 Dw/

1155 cross unit 9544
9545
B572A(1142)
afua
(1156)

1156 X 9544 (996) or (997)
9545 (593)
afua
B572A(1142)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION

COTTON AND CORDAGE FIBERS FIELD NOTES

CR FORM 12
MAR 1958

If this notebook is lost, will finder please mail to:

U. S. DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION
PLANT INDUSTRY STATION
BELTSVILLE, MARYLAND

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

COTTON AND CORDAGE FIBERS

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (*a*) Methods (*b*) Dates
5. Size of plot:
   (*a*) Area in square feet (*b*) Number of rows
   (*c*) Length of rows (*d*) Width of rows
6. Fertilizer: (*a*) Pounds per acre
   (*b*) Analysis (N–P–K) (*c*) Time of application
   (*d*) Method of application (*e*) Side dressings
7. Planting: (*a*) Date (*b*) Rate (*c*) Method
8. Thinning: (*a*) Date (*b*) Method (*c*) Approximate optimum spacing attempted
9. Cultivation: (*a*) Implements used (*b*) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pound is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seeding vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seeding vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests.
   (*a*) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35–7. (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
   (*b*) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, or any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

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Town May 29th Block 23W(55)

	Source
20001	Sterile, (from 43W) G1097-3
20002	" G1097-5
20003	B60-7010, B5489A4-8-3, Sterile, CP23 1/2 x CI8970 — 10-14 — G1247-2
20004	Haploid (F2) type 3 — 8/6 — B593A11-101 Belle Patna x (B581A6) — G1282-3
20005	B6118A5, Irrad. (G1159) BBt50 Dwarf x (Hyb Mix x Rodeo 23) B5464A2-90-1-2 — G1634-5

(C-1157) (Hyb Mix x Rad Pop)

B6118R, Irrad. BB×50 Dwarf × B5464A2-90-1-2

20006 G1634-5

20007 ✓

20008 ✓

20009 ✓

20010 ✓

Probably a few in the dwarfs

1

3

2

0

3

1

20011	B6118A, (G1157) Irrad. BBtSO Dwarf x B5464A 2-90-1-2 (Hybrid a Red Up 31) G1634-5	
20012	✓	
20013	✓	
20014	✓	
20015	✓	

0

1

3

1

0

(G-1157) (Hyb Mix x Parent P23)

B6118A Irrad. BBT50 Dwarf x B5464A2-90-1-2

20016 G1634-5

20017 ✓

20018 ✓

20019 ✓

20020 G1634-3 Prob. Irrad BBT50 Parent

1

1

2

2

0

(Hyb Mix x Red (P231))

20021 B6121A, B5464A2-90-1-2 x Bluebonnet 50
G1636-1

20022 ✓

20023 ✓

20024 ✓

20025 ✓

20026	B6121A,	(Hyb Mix x RedCP231) B5464A 2-90-1-2 x Bluebonnet 50 G1636-1
20027		✓
20028		✓
20029		✓
20030		✓

Possibly the improved leaf type

0

0

1

0

3

20031 Bluebonnet 50, Check

20032 B6122B, (BB#50 x Jojutla B584A2-63-4-1) x Bluebonnet 50
G1655-1

20033 G1655(BK)

20034 B6122B4 "
G1656-4

20035 B6126A1, (HYB Mix 2 Red CP231) x (CP231 Irrad Dwf BB#5 B5464A2-90-1-3 x B563A1-19-2
G1657-1

Agric. Variety Plants

(HyB Mix x Red (P231) x (P231 x Inbred Pd) x BDt S

20036 B6126A1, B5464A2-90-1-3 x B563A1-19-2

G1657-1

20037 ✓

20038 ✓

20039 ✓

20040 ✓

V few ? narrow leaf dwarfs

3

1

20041	B6126A1 ,	(HybMix x RedCp231) x (TriadCp231 x BBI50) B546YA2-90-1-3 x B563A1-19-2 G1657-1
20042		✓
20043		✓
20044		✓
20045		G1634-3 prob Quad BBI50 Quad mod a cross

(Y-157-3-4) (Irrad (P231 Dwarf x B8t50)

20046 B6128A1, Irrad B8t50 x B563A1-19-2

6166-1

20047 ✓

20048 ✓

20049 ✓

20050 ✓

Check ratio of Dwarf to normal

are two types of dwarfs

involved in this cross

There appears to be three fairly distinct

ht. in this group; a V short dwarf;

a short to I. ht type; & a I to tall.

	Dump	I	Mound					
	9	–	14					
	2	12	23					
	3	6	12					
1	4	3	17					
	1	–	20					

~~(X-157-3-4) x (Irrad CP234(DM) x BBT50)~~

B6128A1, Irrad BBT50(DM) x B563A1-19-2

20051 G1661-1

20052 ✓

20053 ✓

20054 ✓

20055 ✓

	Deaf	I	Normal					
3	5	7	23					
1	2	4	16					
3	4	4	13					
	4	1	11					
	4	4	16					

20056	B6128A1,	(X-157-3-4) x (Irrad.CI231 x BB150) Irrad BB150(PW) x B563A1-19-2 G1661-1
20057		✓
20058		✓
20059		✓
20060		✓

End 1st Liter

	Dwarf	I	Normal
	6	1	12
	3	1	11
	—	3	7
1	2	1	4
	1	1	6
Totals	50	48	205

Start of 2nd Lot

20061 Irrad. CP231 Dwarf, Parent
B62-7918

20062 X-1573-4, Irrad. BBt50, Parent
B62-7928

20063 B6130A, ~~(CP-231 X-18-1 X BBT-50) X (BBT-50½ X GOLDROSE)~~
(B563A1-19-2) X B58-9AB
G1662-1

20064 ✓

20065 ✓

Last of Lot - 2 Varieties
dwarfs

20066	B6130A, (IrradCP231 DW x BBt50) x F1(B589A8 (B563A1-19-2 x BBt50) x (BBt50/2 x Gulfross G1662-1
20067	✓
20068	✓
20069	✓
20070	✓

3 R6130A 2 -14
-15
-16

2 -17
-18

1 -19

1 -20

20071	B6130A, (B563A1-19-2 x BB150) x (BB150 x Gulfros G1662-1
20072	✓
20073	✓
20074	✓
20075	✓

2 B6130A2-21
-22

20076 B6130A1 (Irradcp221(DW) x BBt50/2 / B563A1-19-2 x BBt50) x (F1 (B589A8 / BBt50/2 x Bulfrose
G1662-1

20077 ✓

20078 Bluebonnet 50, Check

20079 B6133A3, (BBt50 x Jojutla) B584A1-16-5-2 x BBt50
G1668-3

may not be a cross

20080 ✓

20081 B6133A3, (BBT50 x SoJaTLA) BS84AH16-5-2 x BBT50 G1668-3

20082 ✓

20083 ✓

20084 as either 20,135 or G1668-3 or G1668-4

20085 B6133A, (BBT-50 x SoJa TLA) BS84A1-16-5-2 x BBT-50 G1668-4

2

20086 B6133A, (BBtSO × Jojutla / B584A1-16-5-2) × BBtSO
G1668-4

20087 ✓

20088 ✓

20089 Bluebonnet 50, Check

20090 B6133A,
G1668-5

20091 B6133A, (BBt50 x Jojutla / B584A1-16-5-2) x BBt50
G1668-5

20092 ✓

20093 ✓

20094 ✓

20095 B583A1-6-2, CP231 x Dinia, Vahatfloyd narrowleaf
G1671(BK)
(B61-5550)

20096 B583A1-15-2, CP231 x Dima (v short flop, short ht, narrow leaves)
G1672-2+3(BK)

20097 B583A1-19-1, CP231 x Dima (Dima plant type some plants as taller)
G1673-1(T.B.)

20098 B583A1-19-3, CP231 x Dima (like 1673) taller than 1673
G1675-2+4 (Awned v Awnless)
later than 1673

20099 ~~CP-231~~ ? not CP 231
G1681-1

20100 B621A1, (Godby dam ?)
B55-646 X GULFROSE
G1850-1

(Ex Ped
~~Med. green Dormant~~)

B621A; B55-646 x Galf rose

20101 G1850-1

20102 G1850-2

20103 ✓

20104 ✓

20105 ✓

2

3

4

1

5

20106 B621A7-B55-646 x Gulfrose (Ex Red, Med-gr. Dormant)
G1850-3

20107 ✓

20108 Gulfrose, check

20109 B621A4.
G1949-1

20110 ✓

Stand only smooth heads

2

2

1

20111 B621A4, B55-646 x Gulfrose (Fx Red, Med-q. Dormant)
G1949-1

20112 ✓

20113 ✓

20114 ✓

20115 ✓

1

4

1

1

20116 B621A4 (Ex Red, Med. yr. Dormant) B55-646 x Gulfrose
G1949-1

20117 ✓

20118 B621A5.
G1949-2

20119 ✓

20120 B621A6-
G1949-3

2

4

Start of 3rd Tier

20121 B621A6 – (Ex Red Mediv. Dormant) B55-676 x Gulfrose G1949-3

20122 B623A1, F1 B6113A6 x BBt50 BBtSD/5x6R G2000-1 (carrying N.B. resistance)

20123 ✓

20124 B623A2 G2000-2

20125 ✓

1

1

2

3

3

20126	B5931A1-8-1, BBtSO x TOEO (H. amyl; low. gel.)	G2003-3
20127		G2003-2
20128		G2004-143(BK)
20129		G2005-5
20130		G2006-5

20131 G2007-3

(C.I. 9234)
B6210A1 B505A1-28-7-1-2 x C.I. 9187
20132 G2032

20133 ✓

20134 ✓

B62-20.42 B62-892
B6216A1 Waxy CP231 x Jojutla
20135 G2048-1

4

2

2

B6216A1 - (B62-20,421 Waxy CP231 Sel. × B62-84 Jojutla G2048-1

20136

20137 ✓

20138 ✓

20139 ✓

20140 ✓

1

2

3

2

20141 B6216A1, (B62-20,421 Waxy CP231 x B62-892 Jojatla) G2048-1

20142 ✓

20143 ✓

20144 B6214A1, B62-20,421 Waxy CP231 Sel x B62-20,413 BBt50 G2049-1

20145 ✓

3

2

2

1

B6214AI (B62-20,421 Waxy CP231 × B62-20,413 Bluebonnet 50) G2049-1

20146

20147 ✓ Type

20148 ✓

20149 ✓ Low relative viscosity

20150 ✓

4

2

1

1

2

20151 B6214A1 (B62-20,421 Waxy CP 231 × (B62-20,45) Bluebonnet 50
G2049-1

20152 ✓

20153 ✓

20154 B6218A1. (B62-25,001 Waxy Zenith × B62-25,032) Nato
G2050-1,2+3 (Bk)

20155 ✓

Some many smooth
mostly types
Take some to
sterile plants to
maintenance

1

2

1

4

4

20156 B6218A (B62-25,001 waxy Zenith × B62-25,032 Nato) G2050-1,2,3 (BK)

20157 B6217A2 (B62-29,401 waxy CP23 × B62-29,488 waxy, Crowley No. 2585-6-1) G2051-2

20158 ✓

20159 ✓

20160 ✓

Dent for waxy type

4

2

1

3

20161 B6217A, (B62-20,401 Waxy (P231) × Waxy Crowley-2585-6-1) G2051-2

20162 B6213A/ C.I. 9187 × (C.I. 9470 B5338A6-11-4-4) G2052-1

20163 ✓

20164 ✓

20165 ✓

Seed increased last year

4

4

2

20166 B6213A1 (B62-20,401 (C.I. 9187 x B62-20,403 C I 9470 B5338A6-1-1-4-4 G2052-1

20167 B6213A2 G2052-2

20168 ✓

20169 B6221A1 B593A9-7 x P.I. 215,936 G2067-1-2(BK)

V. early row. Sh. M. plants

20170 B622A1 (BBT-50/4 x GULFROSE) x BBT-50 G1977

2

1

1

5

1

20171	B622A	(~~BBt50 x B546A~~ F1 B6113A x BBt50 G1977
20172		✓
20173		✓
20174		✓
20175		✓

first D leaf BBt 50 edge

2

1

2

20176 B622A (BBTSOxF1,BS96A4) F1, B6113A x BBTSO G 1977

20177 ✓

20178 ✓

20179 ✓

20180 BLUEBONNET-50 check

3

1

2

3

20181 B6122B6- (B584A2-63-4-1 x BBt50
(BBt50 x Jojutla)
G1656

20182 B6122B4-
G1655-4

Save earliest plants
& grow in breeding
nursery for
Jojutla x BBt.
check for qual (parboil,
hunet ?)

20183

20184

20185 B6122B1-
G1655-1

20186	B6122 B1 BS84A2-63-4-1 x BBt50 G1655-3a1!
20187	✓
20188	✓
20189	B6122 B5- G1655-5
20190	✓

20191 B6122BBK B584A2-63-4-1 x BBt50
G1655 Bulk

20192 ✓

20193 Bluebonnet-50, check
✓

20194 Pt. 277,262 (Beltsville Pot 1458)
not listed 10-22

20195 Pt. 276,765 (Beltsville Pot 1408)
not listed 10-22

2

5

20196 GAEN MA-GAWK (Glutinous Variety from Thailand) (Beltsville Pot-223)
Pt. 285,070

NOT loaded 10-22

20197

20198

20199

20200 OFF-TYPE Sel. from Texas Patna
B62-88

20201 off-type Sel. from Texas Patna B62-88 Probably Pandhari hybrids

20202 ✓

20203 ✓

20204 PI. 282,385 (Beltsville Pot 1155)
ACHEH Putah, (Malaya) FAO Blast Nurs.
Not headed 10-22

20205 PI. 282, 395
Subang INTAN #117, (MALAYA) FAO Blast Nurs
Not headed 10-22

2

2

6

20206 PI. 283,678 DACCA #31, PAKISTAN (FAO Blast Nurs)

20207 PI. 283,688, Tilokkachasi (PAKISTAN) (FAO Blast Nurs.)

Not Included 10-72

20208 B62-20,135, Parent LINE B61-9044, B584A1-16-5-2, BBtso x Jojatla

Sown June 8th (S4

Tier 1

20301 B6223A, Pi. 27,672 X CI. 9545 (TAICH #1) G 2063

20302 ✓

20303 ✓

20304 ✓

20305 B6219A, (Du TP [redacted]2 X CP-231) X Calif. 4626 X 1-13-3 G 2064

5

5

6

5

20306 B6219A (Dw.TP x CP231) x Cal.f4626A1-1-13-3
B5339A6-2-1
G2064

20307 ✓

20308 ✓

20309 ✓

20310 ✓

many selfs, for qual.
have all fair from a plant
for qual tests

1

2

2

20311 B6219A (BS339A6-2-1 DWTP x CP231) x Calif. 4626A1-1-13-3 G2064

20312 ~

20313 ~

20314 ✓

20315 B631A1, Belle Patna X BS744A1-36-2 Cr. 9488 G2075-1

2

4

2

20316 B631A1, Belle Patna x B574A1-36-2 CI 9488
G 2075-1

20317 ✓

20318 ✓

20319 ✓

20320 ✓

check for Blast reactn
save fair no of earliest
plants)

1

1

2

3

20321	B631A	Belle Patna x C.I. 9488 (B574A1-36-2) G2075-1
20322		✓
20323		✓
20324		✓
20325	B632A1	(C.I. 9214 x C.I. 9383) x Belle Patna (C.I. 9488) (B574A1-36-2) G2076-2

1

1

3

1

Teli 2 Starts at 20329

20326	B632A2,	(B544A1-36-2 (CI9488 × Belle Patna G2078-2	
20327		✓	
20328		✓	
20329		✓	
20330		✓	

Sow fair no. pls. (one pan per plant)
+ check for Blast

1

4 2

5 -1

B631 A2- Belle Patna X CI.9488 B574A1-36-D

20331 G2080-2

20332 ✓

20333 ✓

20334 ✓

20335 ✓

2

1

20336 B633A1, (CP-231 X C.I.8970) B5319A 1-7-2-1 X BELLE PATNA G 2091-1

20337 ✓

20338 ✓

20339 B633A2, G2091-2

20340 ✓

two earliest sel. (earliest pure plant)
check for bloat & seedling vigor

4

2

2

20341	B633A2, G2091-2	(CP221 x CI 8970) B5319A1-7-2-1 x Belle Palna
20342	B633A3, G2091-3	
20343	✓	
20344	✓	
20345	B633A4 G2091-4	

1

2

1

20346 B633A4 (CP231 x CI8970 B5319A1-7-2-1 x Belle Patna G 2091-4

20347 ✓

20348 B633A5 (CP231 x CI8970 B5319A1-7-2-1 x Belle Patna G 2091-5

20349 ✓

20350 ✓

3

2

20351 B633A, (CP231 x CI8970 / B5319A1-7-2-1 x Belle Patna
G 2091-6

20352 ✓

20353 ✓

20354 B634A1, Belle Patna/2 x (B5744A1-36-2) CI 9488
G 2069 (BK)

20355 ✓

Tier 3 starts at 20357

20356 B634A1 Belle Patna/2 x (B574A1-36-2 / CI 9488)
G 2069 (BK)

20357

20358

20359

20360

Save many sels that are earliest (all seed per plant) & check for blast Save many

20361 B634A1, Belle Patna 1/2 x (BS75A1-36-2 CI 9498)
G 2069 (BK)

20362 B634A2,
G 2070 (BK)

20363 ✓

20364 ✓

20365 ✓

20366 B634A2, Bolle Patna/2 x (~~BS78A1-36-2~~ C.I. 9488)
G 2070 (BK)

20367 B634A3
G 2085-1

20368 ✓

20369 ✓

20370 A4
G 2085-2

1

9

20371 B634A4 Belle Patna 2x (BS75A1-36-2 cI. 9488)
G2085-2

20372 ✓

20373 A5/G2085-3

20374 ✓

20375 ✓

20376 B634A,B Belle Patna/2 × (B575A1-36-2 CI 9488)
G2085-4

20377 ✓

20378 ✓

20379 B634B1
G2086-1

20380 ✓

Tin 4 Slide 20385

20381	B634B1	Belle Patna/2	(BS15A1-36-2 CI9488)
		G2086-1	
20382	✓	✓	
20383	✓ B2	G2086-2	
20384	✓	✓	
20385	✓	✓	

20386	B634B3	Belle Patna/2 × (~~B5744A1-36-2~~ CI 9488) G2086-3
20387		✓
20388		✓
20389	Belle Patna, check	
20390	B634B4	Belle Patna/2 × (~~B575A1-36-2~~ CI 9488) G2086-4

2

1

20391	B6348, f	Belle Patna/2 × (8578A1-36-2 / CI, 9488) G2086-4
20392		✓
20393	B6348 5,	G2087-3
20394		✓
20395		✓

20396 B634B6, Belle Patna/2 x (BS7SA1-36-2 / CI 9488) G-2087-4

20397 ✓

20398 ✓

20399 B634B7, Belle Patna/2 x (BS7SA1-36-2 / CI. 9488) G-2088-1

20400 ✓

2

3

B634B.7, Belle Patna/2 × (BS75A1-36-2 / CI 9488)

20401

B634B.8 Belle Patna/2 × (BS75A1-36-2 / CI 9488)

20402 G2097-3

20403 ✓

20404 ✓

" B9 "

20405 G2098-3

2

6

3

3

20406	B634B10	Belle Patna/2 × (B575A1-36-2 C.I. 9488) G2098-4
20407	" B11	G2098-2
20408	"	"
20409	" B12	G2100-1
20410	"	G2100-1

5

Tier 5 Starts at 20413

20411	B634B/2	Belle Patna/2 × (~~B575A1-x-~~ CI 9488) G2100-1
20412	B636A1	B5319A1-7-2-1 × B5338A3-25 G2081-1
20413		✓
20414	A2	G2081-2
20415		✓

Save for [illegible] × leaf green
type or shape, check for
albino & rolling,
narrow, red

28
v
112

4

2

2

4

20416	B636A2	B5319A1-7-2-1 x B5338A3-25 G2081-2
20417	A3	G2102-1
20418		✓
20419		✓
20420		✓

1/2

3

4

1

1

S to HB.

20421	B6310B1	Belle Patna/2 x F1(B581A6)	G2083-1
20422		✓	
20423		✓	
20424	B6310B2	"	G2083-2
20425		✓	

B6310B2. Belle Patna/2 x F(B581A6)

20426 G-2083-2

B3

20427 G2083-3

20428 ✓

20429 ✓

B4

20430 G-2083-4

3

5

2

1

3

20431	B6310 B4	Belle Patna/2 x ~~BF~~ F1 (B581A6) G-2083-4
20432		✓
20433	B638B1	Belle Patna x PI. 231128 G-2093-1
20434		✓
20435		✓

1

3

2

2

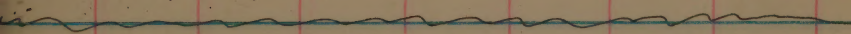
20436	B638B2	Belle Patna × P.I. 231128 62093-2
20437		✓
20438	B6310B2	Belle Patna, Check
20439	B6310B5	Belle Patna/2 × F1 (B581A) 62103-1
20440		✓

3

2

20441	B6310B5	Belle Patna$_2$ x F$_1$(B581A) G2103-1
20442		v
20443	Belle Patna, Check	
20444		
20445		

2



F3 POPULATIONS (BULKS)
2 f w, S5 Sown 4-26-63

Selected bulk panicle samples from all rows.

20446 B6119A1-1-Bk. BBT-50/2 X TOYAMA
~~G.1635-1~~
20104
3 Rows (9 plts. sel.)

20447 A1-2-Bk.
20105
3 Rows (5 plts. sel.)

20448 A1-3-Bk.
20106-107
3 Rows (4 plts. sel.)

20449 B6122 B1-1-Bk BBT-50/2 X TOYAMA
20108-111
3 Rows (3 plts. sel.)

20450 B1-2-Bk.
20112-~~114~~
3 Rows

Harvested many panicles from each 3 rows and bulk threshed. Several rows from each of these bulks were sown in 1964. Plant selections made from this to be sown in 1965.

20451 B6122 B1-3-Bk. BBT-50-2 X JOJUTLA

20113-114

3 Rows

20452 B6133 A1-1-Bk BBT-50-2 X JOJUTLA

20,116

4 Rows

20453 A1-2-Bk.

20,117

4 Rows

28/84 28/112

28
56
84
112
140

1963

GREENHOUSE TESTS

TEST 135-152,

AS–12 B
(11–54)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE

_____
(Branch)

FIELD NOTEBOOK

If found, please tie securely and return to:

_____
(Employee's name)

_____
(Street address)

_____
(City and State)

SUGGESTIONS CONCERNING THE TAKING OF FIELD NOTES

The following notes should be expressed as given:

SIZE OF PLAT.—State in fractions of an acre, as ⅛, 1/10, etc., or, if nursery rows, length and width of the rows in feet.

RATE OF SEEDING.—Pounds per acre.

STAND.—Given in percentages or number of plants in the row.

DATE.—Given in figures, as 9–15 (September 15).

In addition to the above notes, records should be made on kind of soil, character of field, previous crops, preparation of seedbed, and seeding method and other general notes pertinent to the experiment. It is suggested that the numerical system be used in taking other notes when possible and that five different degrees of condition of the character be available for expression.

An example of this system is as follows:

LODGING.—1=prostrate, 3=nearly prostrate, 5=leaning, 7=suberect, 9=erect.

In case degrees between any of the five stages are observable, they may be designated by one of the intermediate numbers, such as 2, 4, 6, 8. The leaders of the various projects will supply the characteristics on which records are desired.

The following space is available for a description of the legends used.

U. S. GOVERNMENT PRINTING OFFICE 16—67988-1

Test 135. Seedl 5/3/43

Japanese & Chinese differentials

				P02		P06	
1.	280	682.	Te-Tep.	0	1	0	0
2.	280	681	Tadu Pon	0	1	0	0
3.	280	683	Usen	2	2	4	4
4.	280	674	Choka To	0	2	0	0
5.	280	684	Yakei Ro	0	1	0	0
6.	280	678	Kanto 61	2	2	0	0
7.	280	677	Jaku Kai-shinoke	2	2	2	1
8.	280	676	Konoke-nishiki	2	2	0	1
9.	280	675	Beinga	3	3 to 3	0	0
10.	280	680	Norin 22	4	2	0	0
11.	280	673	Aichi-Goshi	3 to 4	2	0	0
12.	224	862	Norin 20	4	3 to 4	0	2
13.	275	428	Taichung 65	4	4	0	0
14.	277	241	Taichung 171	—	2	0	0
15.	275	425	Chiku-nung 280	2	2	0	0
16.	275	423	Chiku-nung 240	2	2	0	1
17.	282	942.	Kuong-fu 41	—	—	0	0
18.	282	945	Pai-Kan To	0	1	0	0
19.	282	947	Taichung line 33	0	1	0	0
20.	282	940	Kao-chiao-lin Chan	2	2+	4	4

P04	D-13	D-1	P07	D59	A-F1	W-L4	59L3
0 0	?, 3 2, 3	0 0	1	1	1	1	2
0 1	0 0	tr3 0	1	1	1	2+	4?
		tr3					
0 0	0 0	4 4	3?	2	4	1	2, 4
0 0	0 2	0 2	4?	4	4	tr4	2
				F			
0 0	0 0	0 0	4	2+	4	4	2
0 0	0 1	tr3 0	4	2	4	tr4	2
		tr3				4	
2 2+	4 4?	2 3	4?	4	tr4	2	2
	F	S?					
2 2	tr4 4	0 2	2	2	1	4	2
	F					F	
2 2+	tr4 4	0 2, 4?	2	2?	2	2	2
	F	tr4					
0 0	tr4 4	0 1	2	2+	1	2	2
	F						
0 0	4 4	4 tr4	4?	2	1	4	4
		tr+	ISOL				
0 4	4? 4	4 4	2	2	2	4	4
tr4	F	tr	tr				
0 ✓ 0	2? 4	0 0	1	2	1	2	2
	F		tr4				
0 0	— 4	—	0	2	1	1	2
0 0	0 H?	0 0	0	2	2	2	2
	F						
0 0	4 4	4tr 4	tr4	2	2	5	2
			ISOL?				
— 0	4? 4	0 0	tr4	2	1	2	2
0 0	2 4	0 0	0	2	1	1	0
0 0	4 4	0 0	tr3	2	1	4	0
			tr4?				
0 ✓ 0	4 4	4 4	4?	4	2+	4	4

				P02		P05	
21.	279	141.	Kao-cheng-ta li chan yen	3 1,4	2,4	4	4
22.	282	948	Tai cheng-ti chiao-wen-chen	0	1	0	0
23.	282	989	Acetylcholine	0	2	-	0
24.	282	943	Nicotine	2+	2+	0?	0
25.	282	944	Neng-li #21	0	1	0	0
26.	224	900	Serotonin	0	1	0	0
27.	282	944	Keng-chen-wen-shen-pen	4½	4	-	0?
28.	282	946	Nicotine #1	0	0	4	4
29			Caffeine	4	4	0	0
30.			Coc	2,4	2,4	0	0
31.			8970-S	0	1,2	4	4
32.			8970-P	0	1,2	0	0

104	D-13	D-1	P07	D59	42F1	6L4	59L3
0 1	4 4	4 4	1	1	4	4	4
0 0	4 4	tr4 0	tr4	1	4	1	2
- 4	- √4	0 0	4	1	1	4	2
- 4	4 4	4? 4	4	4	[1]	4	2
0 0	0. √24	0 1	tr4	2	2	1	1
0 0	0 24	0 0	4	2	2	4	4
- 4	- √4	- 4	4	4	4	4	-
0 0	tr3 2 tr4	4 4	0	1	2	1	3 tr3
4 4 light light	5 5	4 4	4	4	4	4	1
0 1	4 4	0 1/2	4	4	4	4	1
0 1	5 5	5 5	4	4	4	4	4
0 1	4 4	5 5	4	4	4	4	1

Test 136

	Rep 6	(6)	(6)	(16)
	62-A-12	A-2	A-3	A-4
1 Zenith	0	2	2	0
2 Calcon	4	4	4	4
3 Lacme	4	4	4	4
		1+1	1+1	
4 CI 8970-S	4	5	5	5
5 5309	0	0	0	0
6 18006	2+	2	2	3
7 201902	2	3	3	4
8 8970-P	5	5	4	5

	62-A-13	A-14	A-15	A-16
1, Zenith	2	0	0	2
2 Calcon	4	4	4	4
3. Lacme	4	4	1+4	4
4 8970-S	5	4	4	5
5 5309	2	0	0	0
6 18006	4	0	0	4
7 201902	4	0	2	3+
8. 8970-P	5	4	4	4
	(16)	(6)	(6)	(16)

(6)	(16)	(6)	(6)	(16)	(6)
A-6 ✓	A-7 ✓	A-8 ✓	A-10 ✓	A-11 ✓	A-12 ✓
0	0	0 ? 4 ?	0	2	2
5	4	4	4	5	4
4*	4	4	2 ? 4	4*	4
5	5	5	4	5	5
0	2	0	0	0	2
2	2, 4, 4	3	0	4	3
3	4	3	0	3, 4	2
5	5	5	4	5	5

* good w. 8 ✓

A-17 ✓	A-18 ✓	A-19 ✓	A-20 ✓	A-23 ✓	A-2 ✓
0	2	0	0	0	2
4	4	4	4	4	4
4*	4*	4*	4	? 4	4
5	5	5	5	4	5
0	0	1	0	0	0
0	3	2	0	0	2
2	4	2, 3	0	2	3
4	5	5	4	4	5
(6)	16 ?	6	6	6	6

Jack 4/11 & 4/12/63

Tpl. 137-

	(6) 62-L-2 (L)	(6) L-6	37 L-7
1, Zmith	0	0	0
2. Calora	4	5	5
3 Cocoa	4	4	2 Tr 4
4 8970-S	4	5	5
5 5309	0	0	0
6 180061	0	2	2
7 201902	2, 3.	4	4
8 8970-P	4	5	5

	6 62-L-14	3 L-15	Rou 16 L-16	16 A-5
1. Zmith	0	0	0	0
2 Calora	5	5	5	5
3 Cocoa	4	2	4	4*
4 8970-S	5	5	5	5
5 5309	2	0	0	0
6 180061	2	2	4	Tr 4
7 201902	2, 3	2	4	4
8 8970-P	5	5	5	5

Race 3	16?	?	2?	16?	Race 6
L-8	L-9	L-10	L-11	L-12	L-13
0	0	0	0	0	0
5	5	5	4 in	5	5
2 in 4	4	0	0	4	4
5	5	5	0	5	5
0	2	0	0	0	2
2	3	2	0	2	2
2	4	4	0	4	2
5	5	5	0	5	5
16	16	16?	No A Entries	(6)	(16)
A-24	A-26	A-27	T-6 (6)	T-7	T-8
0	0	0	0	0	2
5	5	5	5	5	5
4 *	4	4	4	4 *	4 *
5	5	5	5	5	5
0	0	0	2	0	2 in
2 in 4	2	2	2	0	2, 3,
2, 4	2, 3 in 4	4	2, 3	0	4
5	5	5	5	5	5

AT-3

Test 137 — ? — (16) — 6

	62-T-9	T-10 ✓	T-11 ✓	T-12 ✓
1. Zenith	0	0	0	0
2. Calow	5	5	5	5 filled out
3. Lacrosse	4*	4	5*	4*
4. 8970-S	5	5	5	5
5. 5309	2, 4 tr-4	0	2	0
6. 180061	2, 4	4	2-1	2 S?
7. 201902	2, 3	4	3	4
8. 8970-P	5	5	5	5

* good infield on 5a

	(3) AT-18 ✓	(3) AT-28 ✓	(6) AT-39 ✓	(6) AT-4 ✓
1. Zenith	2	0	0	0
2. Calow	4	4	5	5
3. Lacrosse	4	4	4	4
4. 8970-S	5	4	5	4
5. 5309	0	0	0	0
6. 180061	2	2	1	0
7. 201902	2, 3, 4	4 tr-1	tr-3	3
8. 8970-P.	5	4	5	4

(6)	(6)	(6)		(6)	?
T-13	M-1	Mo.1	D-59 (2)	AT-10	AT-L
0	0	0	2	2	0
5	5	5		4	4
4*	4	4*		4	In 4
5	5	5		5	5
2	2 In 4	2, 3		0	0
2	2	2		2	2
2 In 4	2	2, 3		3	4
5	5	5		5	5

AT-46	AT-48	AT-49	L-4	AT35	IT 40	IT 47
2	0	0	0	0	0	0
4	4 In	5	5	4	4	4
4*	4 In	4*	4*	4*	4	4
5	5	5	5	5	4	4
0	0	0	1	0	0	0
2	2	2	2	0	0	0
3, 4 In 4	2	4 In 4	4	0	0	0
5	5	5	5	5	4	5
	poor reflect		calcium pellet on			light reflect

Plot 138

1963 Uniform Yield Nursery

E.#	C.I.#	Variety or Cross.	Rep I	Rep II
1.	1600	Colusa. ✓	0	5
2.	9534	Stg. Lac.-5426a ✗ Zen.	1	4
3.	5883	Early Prolific	4	5
4.	9481	Vac. ✗ Zen.-Nina.	0	4
5.	9555	Zen.-Nina ✗ Zen.	3	2
6.	7787	Zenith.	5	2
7.	9459	Nova.	0	2,3 ~ 4
8.	9577	Reforo ✗ Lacrosse.	2	4
9.	8998	Nato	0	4
10.	9561	HB.303. Ref. ✗ Lacrosse.	4	4
11.	9482	Ref-Zen. ✗ 250-Mag.	4	1
12.	9560	250 ✗ Magnolia.	2	0
13.	9562	Bbt. 50^2 ✗ G. Rose.	4	1
14.	9407	Northrose	0	5
21.	9483	R-D ✗ Ref.-Z.	1	4
22.	9568	(Cp. 231/3 ✗ Bbt.)^2 ✗ "213936	0	4
23.	8993	C.p. 231.	4	5
24.	9439-2	(4II-8-14 ✗ 322a6-23) ✗ (4II-8-14)	2	4
25.	9534	Cp. 231 ✗ 40-12.	2	0
26.	9569	"213936 ✗ "9214.	4	4

Rag 19

Rec'd	Rock	Roast	No. 2	P.a. 4
4				
1½	5	4	4	
4½	5	2 for 4	4	
4	5	0	3	
1	5	4	3	
4	0	0	2	
4	4	1	1	
2	4 (3)	4	3	
0 (3)	4	4	2	
0	5	0	1	
4	5	0	0	
4	2	0	3	
4½	4	3	0	
0 (2)	2	1	1	
2	5	4 for 1	3	
0 (2)	5	0	2	
0 (2)	5	0	2	
4	4	0	1	
0	4	0	0	
0	2	0	0	
2	4	0	0	

E#	C.I.#	Var. or Cross.	Rel	Rub
27.	9550	Century ✓ C252.	4	4
28.	9570.	"213936 ✓ "9214.	4 tr 4	5
29.	9556.	"9453 ✓ "9187.	2	4
30.	9442.	Bbt. ✓ Cp. 231.	2	4
31.	9418	4II-1-8 ✓ Rel.-252.	2	4
32.	9572.	Bbt. 502 ✓ G. Rose.	4	4
33.	9571.	"215936 ✓ "9214.	4	5
34.	9187.	R. 7689 ✓ (T.P. ✓ R-3BR)	4 tr	3 (3+)
41.	9402.	Bbt. ✓ Cp. 231.		
42.	Bbt. 50 ✓ Quina. cf 9573		5	5
43.	Bbt. 502 ✓ G. Rose. cf 9574		4 tr	4
44.	8990	Bluebonnet 50.	4 tr	4
45.	9444	"9278 ✓ T.P.	4	4
46.	1344	Fortuna	4 tr	4
47.	9013	Toro.	4 tr	4
48.	9575.	Bbt. 502 ✓ G. Rose.	4	3
49.	9557.	Bbt. ✓ C.P. 231.	2	3+
50.	9576	Bbt. 502 ✓ G. Rose.	4 tr	2
51.	9486.	Ark. ✓ Bbt. 50.	0	5
52.	9558.	Ark ✓ Bbt. 50.	0	4

Rock 19

Set 7	R. 16	Rock 8	R. 2
0	4	1	3
0	4	0	2
2 (3)	4	5	4
0 (2)	4	0	1
0 (2)	4	4	3
0 (2)	3	0	2
2	5	0	2
0	3	0	2
4	5	0	2
0 (1)	4	0	2
0 (1)	5	0	0
4	5	0	2
0	5	3	2
0 (1)	5	3	3
2 (3)	3	2	2
0	3 (4)	0	1
0	3	0	0
0	4	0	0
0	4	2	3

E.#	Cl.#		Rec 1	Rec 6
53.	9536.	"9278 x T.P.	4 tr	3
54.	9551.	(DF-T.P. x Unk.) x Blt. 20.	4 tr	3
61.	1361-1	Calora.	2	5
62.	9559.	Lacrosse x Calora 3	0	5
63.	9494.	Lac. x Calora 2	2	4
64.	"215936		2	5
65.	8985.	Lacrosse	23	5
66.	9460	Lac. x Zea. - Nina.	2	2
67.	2128	Imp. B. Rose	0	4
68.	8310	ArRose	2	5
69.	8988	Calrose	0	5
70.	9560	Lac. x Zea.	0	5
71.	9563	(Cp. 231 3/4 Blt 2) x "215936.	2	4 tr
72.	9564	"215936 x "9402	4 tr	5
73.	5793	Supreme B. Rose	4	4
74.	9496	Blue Rose Sel.	0	2
81.	9370-2	15/16 Reforo	4 tr	4
82.	8991	J.P. 49.	4	4
83.	1779	Reforo		
84.	9652.	Reforo x Bozu.	3	?

Rec 19

Rec 7	R. 16	Rec 8	R2
0 (2)	3	1	2
0	4	0	2
4	4	4	4
4	4	4	4
2	3	4	3
0	3	0	3
4	3	4	4
4	1	4 fuse	3
4	4	2	2
4	5	2	3
4	5	4	4
4	5	4	4
0	0	2	4
0	2	0	0
4	2	2	3
2 (3)	2	2	3
4 (3)	4	0	0
4	4	2	0
4			
4?	3	2	1

E.#	C.I.#		Rec'l	rem'd
85.	9448-2	Reforo Sel.	4	4
86.	9120	F.P. 49 4 Red.		
87.	6001	Sandhoi #4		
88.	8321.	Fed. Sat.		
89.	9133.	F.P. 49 4 Red.		
90.	8643	K-D.	4	4
91.	9366	Reforo 2 4" 183331.	4	4
92.	9031-2		4	
93.	9365.	Reforo 2 4" 183331.		
94.	9371.	7/8 Red. 4 K-D.	4	4
101.	9454	Nova	1	4
102.	9487	"9214 4 (cp. 231 4 "9122)	4	4
103.	9488.	"9214 4 9383.	4.	2
104.	9425-2	Fed Red 4 Unk.	4	4
105.	9537	"9214 4 (cp. 231 4 "9122)	4	3
106.	9386	Segold.	4	4
107.	9538	"9214 4 9383.	4	3
108.	9543	RR 4 K-252	4	2
109.	9489-3	Nato 4 F1 (RR 4 Bogs.)	0	4
110.	9490	"9214 4 (cp. 231 4 "9122)	4	3

Page 19

Case	R. 16	Run 8	R. 2
7			
0	4	2	0
0	4	0	1
0 (2)	4	0	2
0	4	0	0
4	3	3	3
4½	4	3	2
4	2	4	3
2	4	4	2
0	2	0	0
4	4	0	2
0	4	3	3
4	2	2	2
4	4	0	0
0	4	3	2

Contd.

E#	CI#		Recd	Trnsb
111.	9553	RR 4 250 Mag.	2	4
112.	9475	R-R 4 250 Mag.	0	4
113.	9433	Bella Pat.	2	4
114.	9544	"9214 4 (cp. 231 4 "9122	4	4
75			2	0
76			0	5
95			4	4
96			1 2 3	1
97			4	4
98			2	2
85				

Ra	R.16	R.8	R.2
Ra 7		Ra 19	
0	4	4	0
0	5	3	0
0	5	0	2
4½	5	0	0
4	0	0	0
0	4	0	3
4½	4	0	1
0	3	0	0
4	4	2	2½
0	4	0	0

Just 129. Stuttgart Entries. 10 plots

Rice Blast Supplemental Nurs.

Seed 6-28-63 - 7-10-63

Entry #	Var or Cross.	Rack 1	Rack 6
BLSP 1.	Lac. ✕ Z - Nira	5	5
2.	Nova ✕ Nato	1	4
3.	" "	2	3
4.	" "	2	4
5.	Nova	1	2
6.	Nova Seln.	1	3
7.	" "	2	3
8.	" "	2	3
9.	Lac. ✕ Z - Nira.	3	3
10.	" "	1	2
11.	Nova ✕ D. Rose.	2	0
12.	" "	4	2
13.	Nova ✕ Arkrose.	2	3
14.	" "	2	2½
15.	Nova ✕ CI. 9198.	4	3
16.	" "	4	4
17.	Nova ✕ I 9358.	1	5
18.	C.I. 9357 ✕ Z.	5	5
19.	Cp. 231 ✕ Z.	4	2
20.	Cp. 231 ✕ Z.	5	5

4	2
4	2
0	0
0	0
4	2
2	2
0	2
0	2
0	2
0	2
0	2
0	0
0	2
0	2
0	0
0	0
0	0
2	2
0	3
0	2
0	2

Stuttgart Entries

Cont'd Rice Blast Supplemental Tests.

7-12-63

Entry #		Race 1-	Race 6-
BLSP. 21.	Northrose & Zenith F5.	0	0
22.	" " F6.	2	0
23.	Lac.-Z & Northrose	0	4
24.	" "	2	4
25.	Lac. & Z.	1	4
26.	Stg. 55554-11 & Zen.	5	2
27.	Lac.-S426A & Z. CI 9554. U.N.H2 HB-R	2	4
28.	Lac-S426A & C.I. 9198.	2	2+3
29.	C.I. 9509 & arkrose F5.	4	5
30.	" 9509 & arkrose F5.	4	3
31.	Ark.-B 50 & Northrose.	2	4
32.	Lac. & Calora 13.	5	4
33.	Lac. & Calora 13.	2	5
34.	Lac. & Calora 13.	1	5
35.	Vegold. "9386	4	4
36.	Gulfrose.	5	2
37.	Calora.	0	5
38.	Nato.	0	3+4
39.	Lacrosse	2	3
40.	Northrose	0	4

4	2
0	2
0	0
0	0
0	0
0	4
0	2
0	2
0	2
2	2
0	0
0	0
0	0
4	4
0	3, 5
0	0
0	2
4	4
2	2, 4
1	3, 4
0	4

First 140

Seeded-8-8-63. Inoc 8/21/63 ① 59413

	Pos	8/27	9/3
1. Zenith		4	4
2. Calore,		0	1
3. Yasuse.		0	1
4. "8970 ⑤		5	5
5. "3309.		0	0
6. "180.061.		4 F	4 F
7. "201,902.		0	0
8. "8970 ⑥	T-4	0	0
9. S.I. 280682. Te-Tep.		0	0
10. "280,681. Jadu Kan.		0	0
11. "280683, Usen.	T-4	0	0
12. "280684. Chokoto ("63 seed)		0	0
13. "280684. yakiiko.		0	0
14. "224839. Kanto 81.		0	0
15. "278453 Reishoko.		0	0
("63 seed) 16. "280677, Ishakari-shiake.		0	0
(" ") 17. "280676, Homare-nishiki		4	4
(" ") 18. "280675. Ginga		4	4 F
19. "273469, Norin 22.			0
20. "226134. Aichi-Asahi.		4	4

(6) D-73		(3) D-1		(16) G1-L-4		(7) P07		(4) P04		(2) P02	
9/2	9/3				9/3	9/16					
0	0 4	0		0	0	4 F		1		0	
4	4	4 F	4	4	4	4		4 F		4	
4*	4	0		4	4	4		0		4	
5	5	4	4	4	4	4		0 ?Tm 4		0	
0	0 Tm 4	0		0	0	4		0		0	
0	2	0		4	4	3,4		0		0	
0	2	0		4	4	2 Tm 3		0		0	
4	4	4	4	4	4	4		0		0	
0	1	0		0	0	1		0		0	
0	0	0		0	0	1		0		0	
0	0	0		0	7	4		0		0	
—	0	0		—	4?	4		0		0 Tm 4	
0	0	0		4	4	4		0		0	
0	0	0		4	0	4		0		0	
0	0	0		4	4 F	4		0		0	
4	4	4	4 F	—	4	4		21		2	
4	4 F	0 Tm 3	2		4	4		2		21	
4	4 F	4	3		4	3 M		2		4	
4	4 F	4	4 F		21	0		2		2	
4	5	4	3		4	2		2		4	

Contd.
Test #140

		59	13
	POJ	8/27	9/3
21. P.I. 224862. Norin 20.		4	4
22. " 275438. Taichung 65.		0	0
23. " 275423. Chai-Nung 242.		0	0
24. " 275425 Chai-Nung 260.		0	0
25. " 280678. Kanto 51.	T-4	0	0
26. " 271672. Taichung 1.		0	0
27. " 282942. Kuang fu No. 1.		0	0
28. " 282945. Pai-Kan Tao.		0	0
29. " 282947. Taichung hive 33.		0	0
30. " 282940. Kao-chio-lin-chou.		4	4 F
31. " 279141. Kaohsiung Ta-li-chia-gu		3	4
32. " 282939, Custurgul cube.		0	0.
33. " 282943, Natala.		0	0
34. " 224900. Sendho.		4	4
35. " 282941. Kun-shan-wo-shan-Keng.		3	4
36. " 223737. Si No 1.		0	0.
37. " 223738. Si No 2		0	0
38. " 1344, Fortuna.		4	3
39. " 215936, Tain-iku.		0	0
40. " 1779, Kefoid.	T-4	4	4

D-73	D-1	C1-L-4	P07	P04	P02
9/3		8/7 9/3			
4 4	2 ✓2	4 4	4 F		4
4 4	2 4 F	4 4	0		4
4 4	2 ✓4 F	4 4	4 F		2
4 4	2 ✓4 F	0 0	1		1
0 0	0	4 3 4 F	5		0 7-4
0 0	0	0 4 F	1		0
4 4	0	0 2	—		—
9/4 9/3	0	0 2	2		0
3 4	0 ✓4 F	4 4	4		—
5 4	4 4	4 4	4		0
4 4	4 4 F	0/4 4	4		0/4 ?
5 5	0 ✓3	4 4	2		1
5 4	4 4	4 4	4		4
4 4	0 0	0 0	✓4		0
4 4	4 4	4 4	4		0/4
3 2,3	3 4	1	0		0
3 2	7-4 3 0	1	4 F		0
4 4	0 0	4 4	4		0
4 4	0 0	3 2,3	0		7-4
4 4	4 ✓4	4 4	4 F		0

Test 141

(Differential Varieties)

Seeded - 8-8-63. Rec 8/23

	17-41	PO	2	PO 7		PO 5	
1. "Zenith.	0	0	0	0	4 F	4	0	0
2. Calore.	4	4	4	4	4 F	4 F	0	0
3. Jacrosse.	4	4	4	4	4 F	4	0	1
4. "8970 (S)	4	4	0	0	4,	4 F	4 F	4 F
5. "5309.	0	0	0	0	4 F	4 F	0	0
6. "180.061.	2	2	2	2	4	4 F	0	1
7. "201902	2	2	0	0	2	2	0	0
8. "8970 (D)	4	4	2	0	4	4 F	2	2

	AT-49	62-A-2	62-A-3	62 A4
1. Zenith	0 0	0 0	0 0	0 0
2. Calore.	4 4	4 4	4 4	4 4
3. Jacrosse.	4* 4*	4 4	4* 4*	4 *4
4. "8970 (S)	4 4	4 4	5 5	5 5
5. "5309.	0 0	0 0	0 0	0 0
6. "180.061.	0 2	0 0	3 2	2 2
7. "201,902.	0 2	0 0	3 2	2 3 2
8. "8970 (D)	4 4	4 4	5 5	5 5

AT-10	AT-13	AT-14	AT-39	AT 40	AT-41
0 0	0 0	0 0	0 0	2 2	0 0
4 4 F F	4 4	4 4	4 4	4 4	4 4
4 4	4 4	4 4	4 4	4 4	4 4
4 4	5 5	5 5	5 5	5 5	5 5
0 0	0 0	0 0	0 0	0 0	0 0
0 0	0 0	2,4 2,3	2,4 2,4	4 4	2 2
0 0	0 0	2 2	2,4 2	4 4	0 0
4 4	4 4	4 4	4 4	5 5	5 5
light					

G2-A-5	G2-A-7	G2-A-11	G2-A-10	G2-A-8	G2-A1
0 0	0 0	0 0	0 0	2 2	0 0
4 4	4 4	4 4	4 4	5 5	4 4
4 4	4 3,4	4 4	4 4	4 4	4 4
5 5	5 5	5 5	5 5	5 5	5 5
0 0	0 0	0 0	0 0	0 0	0 0
2 2	2 2	2 2	2 2	2 2	2 2
2 2	2 2	2 2	2 3	2 2	2 2
5 5	4 4	5 5	5 5	5 5	5 5

		P02	P06 7	D-45 3	P05
1.	"Zenith	1		4	
2.	Colors.	4F		4?	
3.	Lacrosse	4		4	
4.	"8970 Ⓢ	0	4	4	4
5.	"5309.	0	4	4	
6.	"180061	2		4	
7.	"201902	0		0	
8.	"8970 Ⓔ	0/4		4?	
	1600	4		4	2
	1600				
	2702	1		0	2
	2702				
1347 1.	Zenith	1		4	2
2128 2.	Colors.	1	4	4F	2
3.	Lacrosse				
4.	"8970 Ⓢ				
5.	"5309				
6.	"180061				
7.	"201902				
8.	"8970 Ⓔ				

D-1	62 F1	61-64	5 7 2 13	D-73	P0
0	0	0 0	4 4 F	0	0
4	~	4 F	0	4	4 F
0	4 F	4	0	4	0
4	4	4	4	5	0
0	4 F	0	0	0	0
0	4 F	4	4 F	0	0
0	0	4	0	0	0
4	4 F	4	0	4	0
4	4 4	5	2 2	5 5	4 F
8	1 2	12	0 3,4 F	3 2	0
2	1 5	4	2	4 4	0
2	1 1	4	0 0	4 4	0

Test 142.

Seeded - 8-17-63

	D-1	62-4-15
1. Calono	4 F	44
2. Jacrosse	2	4
3. Jaichung 65.	0	0
4. Norin 1.	0	4 1~1
5. Norin 17.	0	4
6. Pi #1.	0	0
7. P.I. 180,061,	0	2
8. Pi 201902.	2 F	0

				G2-L-8
D-73	G2-A-6	G1-L-4	G2-~~A~~-8	
4	4	4	5	
4	4	4	4	
4	0/4?	4 F	~~2~~	
4	2 ✓	4 F	2	
4	4	2	4	
2 ✓	2 ✓	2	3	
0	2	4	2 ✓	
2 1a4	2	4 ✓	2 ✓	

Test 143 1962 Seed from Japan -

Seed - 8-21-63

9/16/63

Entry #	C.I. #	Variety	59-L-13	P.O.7
801.	" 7703.	Storm Proof.	4	4
802.	" 3350.	Mortgage Lifter	4	4
803.	" 7702.	Early Wright.	D	4
804.	" 3431.	Lady Wright	1	4
806.	" 2127.	Edith	4	4
806.	"	Bassetze	2 M	2-1 1c3
807.	" 1643.	Londmas.	4	4
808.	" 8998.	Vato	1	4
809.	" 1241.	Vintala	4	4
810.	"	Drewson.	4	2, 4 M
811.	" 9034.	Early Sel. Sel.	2 M	4
812.	" 5883.	Early Prolific	2 M	1, 2 R
813.	"	Early Eure.	4	4
814.	"	Disehler	4	4
815.	"	Elliot	4	2
816.	"	Gopher	2	2
817.	"	Congo	4	2
818.	" 1206.	Delitus	4 M	2 3
819.	" 1261.	Valvo	4 R M	2
820.	" 3623.	Shoened.	2	2

Contd"
Jan 7/43

Entry #	C.I.#	Variety	59L13	
821.	"1645.	Carolina Gold.	4	4
822.	"9052.	Hill Patna. (L.C.)	4	4
823.	"8644.	Lefark.	4	4
824.	"7763.	Creole Bred.	2,3	4
825.	"8989.	Sunbonnet	2,3 M	4
826.	"8992.	Imp. Bbt.	1	2
827.	"8322.	Bluebonnet	2,3 M	2 M.
828.	"8990.	Bbt. 50.	2,0 M	2 M
829.	"1344.	Fortuna.	2,4 M	2,4F M
830	"2702	~~Kira~~. Kira	1	2
831.	~~8975~~	-R-N	4	1
832.	"4440.		4	2-4
833.	"8985.	Tacrosse.	1	4
834.	"9051.	Mochi Gomi	1	1
835.	1561-1	Calono.	0	4
836.	"7786.	Calady #6.	0	4F
837.		Early Watanibune	0	4
838.	"8312	Asahi	4 F	4
839.	"1988	Acadia.	0	4
840.	"8314.	Kamrose.	0	4
841.	6435	Kameji	0	3

Contd"
Jan 1 143

Entry #	C.I.#	Variety			
842.	1564	Butte		0	4
843.	1573.	Onaehi		0	4
844.	1561,	Watatribune		0	4
845.	1162,	Evangeline		4	4
846.	6949	Conway		0	4F
847.	1642	Shiriki		0	0
848.		"E" BR.		1	4
849.	2793,	Supreme Blue Rose.		4	4
850.	1962-a.	Blue Rose Sel.		0	3 M
851.	2128,	Imp. Blue Rose.		0	4F M
852.	" "	" " "		0	2,4 F M
853.	8317,	Blue Rose 41.		0	3 M
854.	1962-a.	Blue Rose Sel.		0	4 M
855.	9019,	3I-9-2-4.		0	4
856.	9020,	61-25-12		0	4 M
857.	8321,	Texas Patyna		4	4
901.	"8642.	Cody.		4	4
904.		252-1-2,		4	2
905.		253-9-1		4	4
910.	8311,	Prelude		2	4

Contd.

Entry #	C.S.#	Variety	59	13	07
913.		4II-T-8 ½ 4II	4		4
914.	" 8987.	32246-23.	4		4
933.	" 9028,	7/8 Leg.-3-12	4		3,4 F M

C.I. #s

Test 143 Seed 9-2-63

Entry.		Rep 1 39L13	Rep 4 D-73
C.I. 9000,	250-129 x Jrg-F	1	4
" 9001,	Loc x Mcg	1	4
" 9002,	Century 52	4	4
" 9003,	TPXR-SBR	4	4
" 9004,	Bbl. x (TPXR-SBR)	4	4
" 9005,	Rf. X 2	4	1
" 9006,	Rf X 2	4	1, 2
" 9007,	Cal. 47-147G	2	4
" 9008,	TPXR-SBR	3,4 M?	4
" 9009,	TPXR-SBR	4	4
" 9010,	TP49 x (TPXR-SBR)	4	4
" 9011,	Rf. X 2	4	4
" 9012,	Rf^2 x BR	4	4
" 9013,	C4-H-14 x Bbl. (Low)	2	4
(Sk) 9014	Ryan Sel	4	5
(Sk) 9014,	Ryan Sel.	4	4
" 9017,	Hill Sel. x Bbl.	4	4
" 9020,	BRXBR-R	4	2
" 9021,	Bruin Sel. X BR	4	0
" 9022,	Bruin Sel. X Fort-Rel	5	1

Rat 7

D-453

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Test 143

C.I.# Contd.

		Rec'l	Rec'd
		59L13	D-I[3]
C.I. 9023.	SM BR-BR41 x Sort-Rel	4	5
" 9024.	15/16 Rel.	4 M	4
" 9025.	15/16 Rel	4	5
" 9027.	T.P. Sel.	5	5
" 9029.	TP49 x (EP x R-SBR)	4	4
" 9031.	R-Rel x G.	4	4
" 9051.	Mochi Bonni	4	0
" 9052.	Hill Long Sr.	4	5
" 9053.	Lady Knight Sel.	0	0
" 9054.	E.P. Sel.	4	1
" 9058.	(EP-13R) x CI 9054 Rogue	4	1
" 9060.	Z-N	4	4 SJR?
" 9061.	Z-N	4	0
" 9062.	Z-N	4	0
" 9065.	BR41 x Arkrose	0	0
" 9066.	BR41 x Arkan-Sup BR	0	0
" 9069.	Z-N Rogue	4	0
" 9071.	Z-N	4	4 SJR?
" 9073.	Ark. Fort. Sel.	4	0
" 9077.	Blt. Sel.	4	5

Roll 7

10-453

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m?

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M?

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m?

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Test 143

C.I.# Contd.

		Rust 59-1-13	Rust 10-7-13
C.I. 9081,	C4-147 x Ref.	4 M	4
" 9082,	SC 46 H 73-49B-1	4 M	4 M
" 9084,	BH. x (TP x R-7689)	3 M	4
" 9085,	Hill Sel. x (TP x R-SOR)	3	4
" 9087,	Ryan R (Rogue)	3 M	4
" 9088,	Kerang Serang x Nina	2	4 M
" 9089,	Shamed x Nina	2	0
" 9090,	E. P. Sel.	4	0
" 9091,	Colora x Kenaga Very Vigorous seedling	2	3 M
" 9092,	Nina x CI 461	4	0
" 9095,	15/16 Ref	4	4
" 9099,	Bart. R 53-35-36	5	2
" 9100,	Bart. 53R 35-40	5	0
" 9101,	Bart. 53R 35-68	5	0
" 9104,	Hill Sel. x (TP x R SOR)	5	5
" 9105,	Hill Sel. x (TP x R-SOR)	5	5
" 9106,	Hill Sel. x (TP x R-SOR)	4	4
" 9107,	Hill Sel x (TP x R-SOR)	4	4
" 9109,	Hill Sel. x BH.	4	4
" 9110,	Hill Sel. x R-N	4	4

Loc 7
D-453
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nman Rect,
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Test 143 "

	C.I.# Contd.	Rep 1	Rep 6
		59413	D-73
C.I. 9111,	TPX B3813A (No. 421)	0	0
" 9112,	Ref. X Prlf	4	4
" 9114,	TP49X(TPXR-SBR)	4	4
" 9115,	Rex X Jos T	3	4
" 9116,	Colino X Ref.	5 M	5
" 9118,	TPX R-7689	2	2
" 9119,	TP49 X Ref	4	4
" 9120,	TP49 X Ref.	4	4
" 9121,	Hill Sel. X Blt.	3	4
" 9122,	Hill Sel. X Blt.	3	4
" 9123,	Hill Sel. X R-N	4	5
" 9125,	Hill Mod. X Z	1	5
" 9126,	Hill Mod. X Z.	4	5
" 9127,	Blue. Sel.	4	5
" 9128,	TPX Hill Mod.	4	4
" 9129,	Ref-7689XTP49	1	2
" 9130,	Kuang Seang Sel.	4	3 M
" 9132,	Hill Sel. X Ref.	4	4
" 9133,	TP49X Ref	4	4
" 9134,	Kuang Seang Sel.	4	4

Roll 7

0-45 3

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m

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m²

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Test 143 "

C.I. # Contd.

		Row 1	Row 6
		59413	20733
C.I. 9135,	TP49 x (TP x R-SBR)	4	4
9136,	R-7689 x Hill Mod	1	2
9137,	Ry. x CI 5094	4	4 M
9139,	Hill Sel. x R-7689	3	2,4 M
9140,	Blt. x Komeji = Ry	2	2
9142,	Hill Sel. x (TP x R-SBR)	4	2
9143,	Hill Sel. x R-N	4	4
9145,	Blt. Sel. from CI 5399	4	4
9146,	Early Sh. Sr. Bulk	5	5
9148,	R-7689 x TP49	1	2
9149,	TP x Hill Mod.	4	0
9150,	R-7689 x TP49	4	4
9151,	Nira x Komeji	4	2
9152,	Calaw x Ry	0	5
9153,	Calaw x Ry	0	5
9157,	Hill Sel. x Regent	4	5
9158,	Hill Sel. x (TP x R-7689)	4	5
9160,	R-134 Hy Rig Slash	4	4
9161,	4II-8-14 x 322 B6-16	4	4
9162,	7/8-3-12 x Blt.	4	4

Part 7

10.453

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Test 7143

C.I. # Contd.

		Rep 1	Rep 6
		59413	D-73
C.I. 9163,	R-Purl x 7/8-3-10	4	4
" 9164,	7/8-3-12 x 4-II-4-1-11	4	4
" 9165,	15/16 R4-3-12	3	4
" 9166,	Rajoro Rogue	4	4
" 9168,	250 x Mag	4	0
" 9169,	250-129 x Jap-Jap	1	1
" 9170,	4-II-8-14 x Blt.	4	4
" 9171,	Blt. Sel.	4	4
" 9172,	250-3 x Mag	0	2
" 9173,	Mag. x 4-II-1-8	4	2
" 9176,	4-II-8-14 x 322 A6-23	4	4
" 9178,	9mp. B. R. Sel.	0	1
" 9179	7/8-3-12 x TP49	4	4
" 9180	15/16 R4	4	4
" 9181	C 4-147 x R4.	4	4 M
" 9182	Hill Sel. x (TP x R-SOR)	4	4
" 9183	Hill Sel. x (TP x R-SBR)	4	4
" 9184.	Hill Sel. x Blt.	4	4
" 9185	Hill Sel. x Blt.	4	4
" 9186,	R-7689 x (TP x R-SBR)	4	2

Page 7

D. 453

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Test 143

C.I. # Contd.

		Row 1	Row 6
		59213	D-73
C.I. 9187,	R-7689 x (TPxR-SBR)	4	2, 4 M
" 9188,	(TPxR-7689) x (TPxR-SBR)	4	4
" 9189,	TPxR-SBR (Rogue)	4	4
" 9190,	" "	4	4
" 9191,	Hill Sel. x (TPxR-SBR)	4	4
" 9192,	Loc x F.P.	1	4
" 9193,	Blt. x R-F	4	4
" 9194,	Blt. x R-F	4	4
" 9195,	Blt. x R-F	4	4
" 9196,	Loc x Z	4	2
" 9197,	Loc x 5415 A 20	0/4 ISP	2
" 9198,	Goldrose	4	4
" 9199,	Nira 43	4 (M?)	1
" 9204,	Lady Wright Sel. 31	0	1
" 9205,	Early Colusa #2	5	4
" 9209,	Bruin Sel. x Z	5	2
" 9210,	B4310 A1-20 x Cody	5	5
" 9211,	C4-157 x Kt	0	4 M
" 9212,	Hill Sel. x Blt.	4	4
" 9213,	Blt. Sel.	4	4

Age 7.

2.453

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Test 143

C.I.# Contd.

		Rack 1	Rack 6
		5913	D-73
C.I. 9214,	Ryan Rogue	4	1, 2
" 9215,	T.P. Sel.	4	4
" 9216,	4-II-8-14×322A6-23	4	4
" 9217,	Ref. × Pref	1	4
" 9226,	Hill Sel. × Ryan	4	5
" 9227,	Hill Sel. × Bbt.	4	4
" 9229,	Hill Sel. × Ryan	4	4
" 9231,	CI 8326 × 8323-2	5	1
" 9232,	Hill Med. Sel.	1	4
" 9233,	Century Rogue	5	4
" 9234,	Hill Med. Rogue	5	4
" 9235,	Century Rogue	4	4
" 9236,	Early Bbt. Sel.	4	4
" 9237,	TP49 × (TP × R-SBR)	4	4
" 9238,	TP49 × R-N	4	4
" 9240,	TP49 × Hill Med.	4	1
" 9241,	Century Sel.	4	4
" 9242,	TP × B3812A	4 (M?)	4 M
" 9244,	Hill Sel. × Bbt.	4	4
" 9246,	Bbt. × (TP × R-SBR)	4	4

Rec 7

0-453

4

m

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Test #3.

	AT-10		AT-13		AT-3	
1. Calora.	0	4	4	4	4	4
2. Yacrose.	4 tr	4	4	4 tr-1	2	2
3. Taichung 65.	4	tr-4		tr-4	4 tr	2
4. Norin 1.	0	2		4	–	2
5. Norin 17.	4 tr	4		4	–	0
6. Li. #1.	0	0		2	0	2
7. P.I. 180061.	0	2		1	0	0
8. P.I. 201902.	0	2		1	0	0

	62-A-2		62-A-3		62-A-4	
1. Calora.	5	5	4	4	4	4
2. Yacrose.	2	4	4	4	2	2 tr-4
3. Taichung 65.	4	4	4	4	tr-4	tr-4
4. Norin 1.	–	4		tr-4	–	0
5. Norin 17.	0	4		0	0	0
6. P.I. #1.	4	4	4 tr	tr-4	4 tr	1
7. P.I. 180061.	0	2	0	0	0	1
8. P.I. 201902.	0	2	3	2	0	1

AT-40		AT-41		AT-46	AT-49		AT-16	
5	5	4	4	4	5	5	4	
4	4	4	tr 4	4	2	tr 4	tr 4	
2	2	2	tr 4	3	2	3	4	
0	4	1	1	2	-	-	4	
0	0		2 tr 4	4?	4 tr 4	tr 4	4	
3	4		2	4	tr 4	tr 4	4	
0	1		2	2	0	1	2	
0	1		2	2	0	1	2,3	

62-A-5		62-A-7	62A8	62A11		62A6		62A15
5	5	4	4	5	5	5	5	5
4	4	2	4?	4	4	2	2,3	4
4	4	2	2,4	4	4	0	tr 3	4
2	4	0	4?	4	4	0	2	4
4	4	0	4	4	4?	0	2	4
4	4	0	tr 4	4	4?	0	0	2.4
2	2	1	2	2	2	0	1	2 2
0	3	1	2,3	3	4	0	1	2

Rank?

good infect loc

Test 144

Contd."

	62 A17	62 A13	62 A18
1. Calore.	5 5	5 5	0 1/2
2. Facrosse	4 4	4 4	2
3. Faiching 63.	4 1/2 4	2 4	0
4. Norin #1.	- 2	4 1/2 4	0
5. Norin #17.	- 2	2	0
6. L.S. #1.	4 2	0 2	0
7. L.S. 180061.	1 2	0 2	0
8. L.S. 201902.	3 2	0 2	0

1. Calore.
2. Facrosse
3. Faiching 63.
4. Norin #1
5. Norin #17.
6. L.S. #1.
7. L.S. 180061.
8. L.S. 201902,

Test 145 C.S. #D. Contd:"

Entry C.S.#	Seed. 9-20-63	Rep. 1 59413	Rep. 6 D-73
" 9247.	Bb7. x (TP x R-SBR)	2 T. 4	4 M
" 9248.	Bb7. x (TP x R-SBR)	4	4
" 9249.	Bb7. Sel.	4	4
" 9250.	Bb7. Sel.	2	4
" 9251.	Ryan A Sel.	1	3
" 9253.	TP x R-7689	4	4
" 9255.	R-7689 x R-N	4	2
" 9256.	R-7689 x TP49	4	1
" 9257.	Kerang-serang Sel.	4	4 M
" 9258.	" " "	4	4
" 9259.	R-7689 x Rex	4	4
" 9261.	TP49 x Rex	4	4
" 9262.	Ryan R Rang	4	4
" 9263.	Hill Sel. x Ryan	4	4
" 9264.	T.P. Sel.	4	4
" 9265.	T.P. Sel.	4	4
" 9266.	Rex. x PI 5094	4	2
" 9267.	Rex. Sel.	4	4
" 9268.	Rex. Sel.	4	4
" 9269.	Kerang-serang Sel.	4	4

Page 7

0.453

3, 4
M

3, 4
M

4

3
M

4+

4
M

4+

4
1

4
M

3

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9

9

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3, 4
M

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3, 4

Test 145

Contd:

	Rack 1 59413	Rack 6 D-23
9270, R-7689 x (TP x R-SBR)	0	2
9271, R-7689 x TP49	0	2, 3
9272, T.P. x Hill Mod.	0	2 ISR
9273, Nira x Kameji	4	2
9274, T.P. x Hill Mod	0	2
9275, TP49 x (TP x R-SBR)	4	4
9276, Hill Mod. x Z	4	1
9278, Blt. x (TP x R-SBR)	4	4
9279, Blt. x (TP x R-SBR)	4	4
9281, Hill Sel. x Kyan	4	4
9283, Early Sh. Sr. Bulk	0	4
9285, T.P. x R-7689	0	2?
9287, Pat 98.. 9469 ?	4	2
9288, Pat 100 "	4	2
9292, TP49 x (TP x R-SBR)	4	4
9294, Hill Sel. x (TP x R-SBR)	4	4
9295, Hill Sel. x Blt.	4	4
9296, Hill Sel. x (TP x R-SBR)	4	4
9300 405 A1-1-31	0	4
9349, Hill Sel. x Kyan	4	4

Part 7

D-453

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Test 145
Contd.

	Rep 1	Rep 6
	5913	10-13
9350, Hill Sel. x Reland R	4	4
9351, TP49 x B3812 A	0	0
9352, Bmt. 54V6321 panama	4?	0
9353, Fortuna, Cala	4	4
9354, Fortuna, Cala	4	4
9355, Loc x Z	5	2
9356, 25a129 x Jug-Fat	0	4
9357, CI 8994 x S426A	5	4
9358, "	4	4
9359, Blt. x CP231	4	4
9360, 4-11-1-8 x TP49	4	4
9361, TP x R-3BR	4	4
9362, Hill Sel. x Blt.	4	4
9363, Blt. x CP231	4	4
9364, Blt. 50 x B455A1-25	4	4
9365, 9mp. Blt. x Hill patna	4	1
9366, 7/8 R4-3-12 x Blt.	4	4
9367, Reland R x Cascabel	1?	0
9368, Early Sh. Sa. Bulk	4	4
9369, B438A rogue	0	0

Page 7

D-453

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M

Test 145
Contd."

		Read 1 5-9-13	Read 2 10-7-3
9370.	15/16 Ref	4	4
" 9371,	Ref. Rogue, NTP	4	4
" 9374,	Sel. from CI 9210	5	4
" 9375,	4-II-1-8 X 252	4	4
" 9376,	C.P. Rogue	5	4
" 9377,	4-II-1-8 X R-252	4	4
" 9379,	Century X Ref	4	4
" 9380,	TP X R-SBP	4	4
" 9381,	C.P. 231 X B4510A	4	4
" 9382,	R-R X Imp.	4	4
" 9383,	CI 9122 X Blt.	4	4
" 9384,	CP231 X HO-12	0	0/4
" 9385,	4-II-8-14 X Blt.	4	4
" 9386,	Hill Sel. X (TP X R-SBR)	4	4
" 9387,	Blt. Sel.	4	4
" 9388,	CI 9278 X T.P.	4	4
" 9389,	Blt. X C.P. 231	4	4
" 9390,	Imp. Blt. X Hill Long Gr.	4	4
" 9391,	TP dt-[illegible] X Dola	4	4
" 9392,	Blt. X CP 231	4	4

ROCK
D. 453
3, 4 m
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5
4
4 m
3, 4 m
3, 4 m
4
4 m
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3, 4 m
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2
3, 4 m
2, 4 m
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Test 145

Continued

		Row 5 9413	Row 6 N-73
" 9393	Gold Town	2 M	4
" 9395,	RexaR x Asahi	0	2,3
" 9396,	RexaR x Century	4	4
" 9397,	R-Pal/X 7/8-Ry-3-10	2	4
" 9402,	Blt-X C.P. 231	3 M	4
" 9403,	Orig. Century	4	4
" 9404,	Gold Zenith "Golden Rose"	5	1
" 9405,	CI 8994 X S415 A	5	2
" 9406,	CI 8994 X Cody	0	4
" 9407,	Northrose	0	4
" 9408,	Lac. x Calora	0	2,3 M
" 9409,	R-7689 x (TP x R-SBR)	4	2,3 M
" 9410,	"	5	2,3 M
" 9411,	RexaR x Blt.	4	4
" 9412,	Imp. Blt. x (Nell Long Sr.	4 M	2
" 9413,	RexaR x Asahi	0	2
" 9413,	CI 8994 X S426 A	5	4
" 9416,	Bulfrose	5	1
" 9417,	CP 231 x Ry.	5	4
" 9418,	4-D-1-8 x (R-252)	4	4

Root

D-453

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Contd"

		Rack 5913	Rack D-73
" 9419,	CP 231/3 X Bbt.	4	4
" 9420,	4-II-8-14 X 4II-1-8	4	5
" 9421,	CI 9278 X T.P.	4	4
" 9423,	250-2-2 X G.G.	0	4
" 9424,	X-Ray Ref. Rogue	4	4
" 9425,	R-R X Comp.	4	4
" 9426,	R-R X Pa Nell	4	4
" 9430,	R-R X 250-Mag.	1	2+
" 9432,	TP/3 X CI 9122.	4	4
" 9433,	Belle patria.	4	4
" 9434,	CP 231 X CI 9122	4	4
" 9435,	CI 8994 X S42CA	5	4
" 9436,	Bbt. X Ref 252	4	4
" 9437,	Hill Sel. X (TPXR-3BR)	4	4
" 9438,	4II-1-8 X Ref-252	4	4
" 9439,	4II-8-14/2 X BG-23	4	4
" 9439-2,	"	4	4
" 9440,	Ref/3 X CI 9122	4	4
" 9441,	TP/3 X CI 9122	4	4
" 9442,	Bbt. X CP 231	4	4

D-453

RG09

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Contd.

		Run 1	Run 6
		5-9 & 13	D-73
9443,	Re4/3 X CI 9122	4	4
9444,	CI 9278 X T.P.	4	4
9445,	Re4/2 X Bbt. 50	4	4
9446,	Bbt. X CP231	4	4 M
9447,	TP/3 X CI 9122	4	4
9448,	Re4 Sel.	4	4
9448-2	~~B403A3 X BX5/2A1-20~~	4	4
9449,	B403A3 X B4512A1-20	5	5
9450,	CI 9122 X Re4.	4	4
9451,	R-RX250-Mag.	0	4
9453,	Loc X 2-N	0	0
9454,	Loc X 2-N	0	0
9455,	Re4 on R X Arachi	0	1
9456,	BR/2-RXSC44-1	0	1
9457,	BR/2-RXSC44-1	0	2
9458,	BR/2-RX-SC44-1	0	2
9459,	None. (Loc X 2-N)	0	2
9460,	Loc X 2-N	0	0
9461,	250-2-2 X 250-M	0	2
9462,	Z X B433A2-6	4	0

Rec'd
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Contd.
Test 140

	Rack 59413	Rack D-73.
9463, Mo. 207	0 ISR	4 SR
9464, 4II-1-8 X Ry-252	4	4
9465, CP231/2 X Blk.	4	4
9466, Blk. X CP231	4	4
9467, 9mod. Ry.	4	4
9468, CI 9122 X Ry.	4	4
9469, Blk. X Ry Comb	4	4
9470, CI 9258 X CI 9122	4	4
9471, 9mod. Blk. 50 Sel.	4	4
9472, 7/8 Ry X TP49	4	4
9473, CI 9122 X Ry.	4	4
9474, R-R X 250-Mg.	1,2	4
9475, R-R X 250-Mg..	0	4
9480, Brun Sel. X2	0	4
9481, Lac X2-N	0	2
9482, R-R X 250. Mg.	4	0
9483, R-D X R-2	4	4
9484, R-7689 X (TPXR-3DR)	4	4 M
9485, TP/B2 X CP231	4	4
9486, Ca R. X Blk. 50	0/4 ISR	4,5

1607

D-453

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Test 145. Cont.

		Rat 1	Rat 6
		59413	D-93
9487	CI 9214 X (CP231 X CI 9122)	4	4
9488	CI 9214 X CI 9383	4	2
9489-1	N470 X F. (Boyer X RR)	1	5
9489-2		1	5
9489-3		1	5
9490	CI 9214 X (CP231 X CI 9122)	4	4 M.
9491	CI 9414 X Loc - anR	4	5
9492	CI 8994 X Calvin	4	5
9493	Loc X Calvin -	0	0
9494	Loc X Calvin -	0	0
9495	BR^2 - R X SC 44-1	0	0 1n3
9496	B-R. Sel.	1	1
9514	H.O. Spreader	2 M	0
9515	B3812A Sel.	0	0
9531	Loc X 2 - N	0	2
9532	anR. X Bbl. 50	0	5
9533	Blut. 2 mitt	5	1
9534	CP231 X/HG12	0	0
9535	CP231 X/HG12	4	4
9536	CI 9278 X T.P.	5	4

R647

D.453

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Mallett

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Test 145, cont.

		Rat 1 5913	Rat 4 A-73
9537	CI 9214 x (CP 231 x CI 9122)	4	2
9538	CI 9214 x CI 7383	4	4
9539	250-2-2 x 250-M	4	2
9540	250 x Mag	1	0 shock
9541	R-2 x Loc	4	0
9542	R-2 #1512 x Loc	1	0
9543	R-R x R-252	4	2
9544	CI 9214 x (CP 231 ~~CI 9122~~ x CI 9122)	4	4
9545	PE 215 936 x CI 9214	4 M	4 M
9550	Control x Cat 252	4	4
9551	(d/TP x Lac R) x Bkt. 50	4	4
9552	R4 x Bozo	3? M	4 M
9553	R-R x 250-Mag.	0	2 + 4 M
9554	Loc-5426A x Z	1	2
9555	Z-N x Z	5	0
9556	CI 9453 x CI 9187	0	M shell
9557	Bkt. x CP 231	4	4 M
9558	an R x Bkt. 50	0	4
9559	Loc x Calcon/3	0	4
9560	Loc x Z emf	0	2 + M

Roll 7

10-453

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M

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M

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44

Test 145, cont

		Row 1	Row 6
		5941 3	B-93
9561	Ry. X Sac (+B 503)	4	4
9562	Blk. 50% x Balfour	5	0
9563	(CP 231 3 x Blk) x PI 215 936	3 M	4
9564	PI 215 936 x CI 9402	4 M	4 M
9566	Ry 2 x PI 183331	4	4
9568	(CP 231 3 x Blk) x PI 215 936	4	2, 3 M
9569	PI 215 936 x CI 9214	3 M	4 M
9570	"	2	4
9571	"	4	4
9572	Blk. 50% x Balfour	4	4
9573	Blk. 50 x Dinna	4	4
9574	Blk. 50% x Balfour	2, 3 M	4, M
9575	"	4	4
9576	"	4	2
9577	Ry. X Lacrosse	4	4

Page 1

10-453

4

4

0

0

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Inv
R
0

Inv
R
4

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A
47

4

Test 146. Seeded 11. 17. 63
Test. at Seed.

Variety or Cross.	5941 3
1. Zenith.	5
2. Tabor.	0
3. Yacrosse.	0
4. "8970 ②	4
5. "5309.	0
6. "180061.	4
7. "201902.	0
8. "8970 ①	0
9. "1779, Reboro.	4
10. "280682, Je-tep.	0
11. "280681, Jadukar.	0
12. "280683, Usen.	4
13. "280674, Chokato.	0
14. "280684, Yakeiko.	0
15. "280678, Kanto 51.	0
16. "280677, Ishikari shiroke.	0
17. "280676, Yomare nishiki	2
18. "280675, Dinga	0
19. "280680, Norin 22.	0
20. "280673, Aichi Asahi	4

	G1-L-4		G2-F1	D-T3	G2-A-15
PO2	1/26/64	1/8/64	1/8/64	1/9/64	1/9/64
0	0		0	0	0
4	4		tr4	4	—
4	2,3		2	4F	3,3
0	5		5	5	5
0	0		4	0	0
0	4		4F	2	0
0	4		0	0	0
0	5		4	5	5
0	0		0	4	4
0	0		0	0	0
0	0		0	0	0
0	0		4	0	0
0	0		4	0	0
0	0		4	0	1 tr3
0	0		4l	0	0
0	4 M	4	0	1	2
0	0		0	2	0
0	0		0	2	2 tr3
4	2+	4F	0	2	0
4	4		9tr	4	3+

Inst. 146. Contd.

		5-9 L13
21.	"280679. Norin 20.	—
22.	"281786. Norin 1.	0
23.	"281787. Norin 17.	0
24.	"223737. Si. No. 1.	0
25.	"223738. Si. No. 2.	0
26.	"274215. Si. No. 3.	0
27.	"281628. Bozu.	4 F
28.	"281629. Isao-Mochi.	4F
29.	"281630. Norin 11.	0
30.	"281631. Tomoemosari	0
31.	"281632. Wase-Bozu.	—
32.	"281633. Wase-Shioke.	0
33.	"275428. Taichung 65.	0
34.	"277241. Taichung 171.	0
35.	"275425. Chiayung-yu 280.	—
36.	"275423. Chiayung 262.	0
37.	"282942-Kwang-ju No. 1.	0
38.	"282945. Sai-Kan-tao.	0
39.	"282947. Taichung-line No. 33.	0
40.	"282940. Hao-Chia-hui-Chou.	4

	L1-4-4	L2-F-1	L0-73	L2-A-15
P02	1/7/64 1/9/64	1/7/64	1/9/64	
.4	0 tr 4	0	4	4F
4	4F	0	4	4
3?	4F	2+	4	2
0	0	4tr	0	0
0	0	0	0	2
0	0	0	0	0
0	4	0	0	2, tr 4 S?
0	4	0	0	2
4	4	—	0?	0
4	4	tr 4	4	0
4	-	—	—	—
4	4F	0	4	0
0	0	0	0	0
0	4 M	0	4	2+
0	2	0	0	0
0	4	4	—	4
0	2	0	0	0
0	1	0	0	0
0	2+ 4	0	4	4
2	4+	2,3	5	5

Contd.

5-9413

41. "279141, Kaoching-ta-li-chuan-yu. 0
42. "282948. Taichung-ti chio-wei-chien. 0
43. "282939. Custugul cule 0
44. "282943, Natala. 0
45. "224839. Kanto 51. 0
46. "282944. Kung-lin no. 21. 0
47. "224900, Serabo. 4
48. "282941, Kung-shun-wei-shen-Ren. 5

	61-L-4	67-F-1	10-73	62-A-15
DO 2	1/7/64	1/9/64 1/3/64	1/9/64	
2	2, 3	3 2	2+	2, 3 to 4
0	5	4	5	4
0	4	0	5	4
0	4F	0	4	2+?
0	9/4 ISOL	4	0	0
0	2 to 4	0	5 (2/5?)	4
0	3/4	0	2+	2+
0	4	0	5	4

Test 147 1963. Uniform Yield Nurs.

Seed- 11-20-63

	12/14/63
	P0. 2
1. "1600, Colusa.	4
2. "9554. Stg. Jac.-5426a ✓ Zen.	4
3. "3883. Early Prolific.	27 M
4. "9481. Jac. ✓ Zen.-Nina.	2
5. "9555. Zen-Nina ✓ Zen.	0
6. "7787. Zenith	0
7. "9459. Nova.	4
8. "9577. Reforo ✓ Jacwoose.	2
9. "8998. Nato.	2
10. "9561. Reforo ✓ Jacwoose.	0
11. "9482. Ref-Zen. ✓ 250-Mag.	0
12. "9540. 250 ✓ Mag.	0
13. "9542. Blt. 502 ✓ D. Rose.	27
14. "9407. Nova Rose.	4
21. "9483, R-D ✓ Ref-Z.	4 M
22. "9568. (Cp. 231/3 ✓ Blt)2 ✓ "215936.	0
23. "8993, Cp. 231.	1
24. 9439-2 (411-8-14 ✓ 322a6-23) ✓ (411-8-14	2
25. "9554. Cp. 231 ✓ Ho 12.	0
26. "9569. "215936 ✓ "9214.	0

61-4
4
0
1.4
1.4
0
0
0
0
4
4
0
0
0
4
0
1.1
1.4
0
0
0

Test 1491, Cont.

		Po 2
27.	"9550. Century ♂ Ref.-252.	0
28.	"9570. "215936 ♂ "9214.	2
29.	"9556. "9463 ♂ "9214.	2
30.	"9442. Bbt. ♂ Cp. 231.	2
31.	"9418. 411-1-8 ♂ Ref.-252.	4 M
32.	"9572. Bbt. 50² ♂ G. Rose.	2+
33.	"9571. "215936 ♂ "9214.	0
34.	"9587. R-7689 ♂ (J.P. ♂ R-5Bbl)	0
41.	"9402. Bbt. ♂ Cp. 231.	0
42.	"9573. Bbt. 50 ♂ Dima.	0
43.	"9574. Bbt. 50² ♂ G. Rose.	0
44.	"8990. Bbt. 50.	0
46.	"9444. C.S. 9278 ♂ J.P.	2
46.	"1344. Fortuna.	2+
47.	"9013 Jova.	2+
48.	"9575. Bbt. 50² ♂ G. Rose.	1
49.	"9557. Bbt. ♂ Cp. 231.	4 M
50.	"9576. Bbt. 50² ♂ G. Rose.	4 M
51.	"9486. Rel. ♂ Bbt. 50.	4
52.	"9558. Rel. ♂ Bbt. 50.	2+

61-64
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tn-1
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tn 4
m
tn 4
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tn 4
ti 4
4
0
tn 4
0

53.	"9536. "9278 & J.P.	10 2 / 0
54.	"9551. (cf. J.P. & unk.) & (Blt. 50)	0
61.	"1561-1 Calora.	4
62.	"9559. Lac. & Calora 3.	4
63.	"9494. Lac. & Calora /2	4
64.	"215936, Jaiman-ike 487.	4?
65.	"8985. Lacrosse.	4
66.	"9460. Lac. & Zen.-Nira.	0
67.	"2128. Imp. Blue Rose.	3
68.	"8310. Arlrose.	4
69.	"8988. Calrose.	4
70.	"9560 Lacrosse & Zenith	44
71.	"9563. (cp. 231[3] & Blt.)[2] & "215936.	4
72.	"9564. "215936 & "9402.	0
73.	"5793. Supreme Blue Rose.	2
74.	"9496. Blue Rose Sel.	2
81.	"9370-2, 15/16 Lefora	0
82.	"8991. J.P. 49.	0
83.	"1779. Lefora.	0
84.	"9552. Lefora & Bozu.	3?

$61-4-4$

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4

Test 147, cont.

	P02
83. "9448-2 Lefora Sel.	0
86. "9120. JP. 49 Ref.	0
87. "6001, Sandhosi No. 4.	0
88. "8321, Tel. Hat.	0
89. "9133. J.P. 49 Red.	1
90. "8643, L-D.	1
91. "9566. Lefora 2 y "183331.	2+
92. "9031-2, L-Prf. y Dindey	2
93. "9565. Lefora 2 y Pi 183331.	1
94. "9371. 7/8 Ref. y L-D.	0
101. "9459. Nova.	4
102. "9487, "9214 y (Cp. 231 y "9122)	2
103. "9488, ("9214 y "9383)	2
104. "9425-2 Ref-Red. y unk.	2
105. "9537, "9214 y (Cp. 231 y "9122)	0
106. "9386. Stg. 511767, Vegold.	2+
107. "9538. "9214 y "9383.	2
108. "9543, RR y R-252.	2+
109. "9489-3. Nato y F1 (RR y Bega.)	2
110. "9490 "9214 y (Cp 231 y "9122)	0

61-4-4
0
4
0
4
0
0
4
0
0
4
0
0
0
1-4
0
4
4
0
4
4

Contd"

	pg 2
111. "9353, Rk ✓ 250 mag.	1
112. "9495, Rk ✓ 250 mag.	0
113. "9433, Bdle Patna.	0
114. "9344, "9314 ✓ (cp. 281 ✓ "9122)	0

61- 2-4

0

0

4

4

S.R.C. Uniform Blast Nursery

Test 148

Entry #	S.C. #	Var.	POS	5 9 4 3		
			2/11	1/6/44	1/9	
1.	"281914,	A36-3 Burma	0	2	2	A
2.	281915,	A36-11. "	0	2	2 to 3	A
3.	281916,	A35-1. "	0	2+	4 m	M
4.	281917,	B401, "	0	2+	4 m	M
6.	281919.	C33-16. "		2+	4 m	M
7.	281920.	C46-15. "		0	0	R
11.	281921,	D25-4. "	0	4	4	S
13.	281857.	A-4. "	0	2+	2	R
14.	281858,	H-5 "	0	2+	2,4 m	M
15.	281859,	(H-103, "	0	4 m	2+	M
16.	281860,	? H-301, "	0	4 m	2+	M
17.	281861.	Murungakayan 302. Ceylon.	2 0	2+		R
22.	281758.	Casariot. France	0	4	4	
23.	281760.	Fanny "	0	0	0	
24.	281757.	Arlesienne. "	0	1	0	
25.	281759.	Digalon "	0	0	0	
26.	281843.	Za yiu Tsai Hong Kong.	2+ 0	2+		
27.	281844.	Kam Bau Ngan "	0	0		
28.	281845.	Lo Shu Ngan "	0	1	0	
29.	281846.	Sak Huk Mei "	0	4	4	

D-73 P02 G1-4-4 D-453+ 42

1/6/64		1/14		1/15		P07		D-1	42 FL	D-453	
4	2,4 M	1,2	1,2	3 M	3 M	1	1	4	2,3 M	3+ M	3, M
4	2,4 M	0	1,2	0	0	0	0 IMP	3,4 M	3F M	0	1,
2	2,3	1,2	1,2	0	0	0	0	4 M	2+	2	2
2+	2,4 M	0	0	4 M	4	2+ M	2 M	4 M	0	2,3 M	2
0	2	2+ 3 M	2,3,4 M	—	—	—	—	—	—	—	—
0	0	0	2,4 M	—	—	—	—	—	—	—	—
4	4 M	0	0	0	0	0	0	2	0	0	0
1	1	0	0	0	0	0	0	0	0	2,+3 M	0
0	0	2+	2+	0	0	0	0	0	0	0	0
1	1	2	2	0	0	0	1	3,4 M	0	0	0
1	1	2+ M	2,3+ M	0	0	0	0	4	2	0	T
0	0	0	0	0	0	0	0	0	0	2,3 M	0
5	5	0	0	4	4	4	4	2,4 M F	0	2	0
5	5	5 VS	5	5	5	4	4	4F S	2	2	2,
5	5	0	0	4	4	4	4	4F	0	2	0
4	4	4	4	4	4	4	4	4	3F	2	0
2+	2+	2	2	0	0	1	1	3,4 M	0	0	0
0	0	0		0	0	1	1	3,4 M	0	0 150	0
2	2+	0		0	0	2	2	3F	2,3 4	2,3+ M	
2	2+	0		0	0	4	H M	3F	2	2,3+ M	2

Contd. 148

Entry #	P.I. #		POS 2/11	4/6/64	59413
30.	282126,	Nainital Ram.	India	0	1	0
31.	282126,	PTB 10.	"	0	2	1
32.	282120	AC2260	"	0	4	4
33.	282123,	Hybrid I.	"	0	4	5
34.	282124.	Hybrid II	"	0	4	4
35.	282127,	S.47.	"	0	1	1
36.	282121,	Co. 4.	"	0	2	2+
37.	282122,	Co 25,	"	0	4	4 M.
38.	281786.	Norin No. I.	Japan	0	0	0
39.	281787	Norin No. 17.	"	0	0	0
40.	281783.	Hongo (Br. No. 1.)		0	0	0
48.	281764.	Suwon #152.	Korea.	0	0	0
49.	281765.	Suwon #158,	"	0	1	0
52.	282385,	Acheh Dutch.	Malaya	4	4	
53.	282395,	Subang Intan 117,		4 M.	4	4
58.	282387.	Mayang Ebon		" 0	4	4
60.	282392,	Kadin Siak 34		"	4	5
61.	283680,	Dular.	Pakistan	0	4	2,4 M
62.	283679.	Dharial.	"	0	4 M.	2,4 M
63.	283681,	Bashi Kalmi	"		2+	2

D-73		P02		61-47		D453+				P1	
4/6/64		4/14		4/1		POT		D-1 6RFT		D453	
0	0	0		0	0	0	0	0	4	2	4
1	1	0		0	0	1	1	3 M	2- 1-4	3,3 R	2
4 no	2,3+ M	0		0/4	0/4 25/1	3 M	3F M	0	2	0	0
0	0	0		0/4	0/4 15/1	4F M	4F M	0	0	2+3	0
0	0	0		0	0	4F M	4F M	0	0	2,3,4 M	0
2	0	0		0	0	0	0	0	0	0	0
0	0	0		0	0	1	1	0	0	0	0
0	0	0		0	0	4F M	4F	0	0	0	0
2+	2,3	0		0?	0	0?	4	0	2	0	0
2+	4	0		0?	0	0?	4	0	2	0	2
0	0	0		0?	0	0	0	2+	0	0	0
0	0	0		0	0	0	0	0	0	0	0
2+	2	0		0	0	0	0	0	0	0	0
0	0	0		0	0	0	1,3	2,3	0	0	0
2	2+	2	2	0	0	2	2	3	2,3 1-4 M	2,3+ M	3
2+	2	0		0	1	0	0	0	0	3,4 M	2
0	0	0		—	—	—	—	—	—		—
0	0	0		4	4	4F	4F	—	2,3	3+ R	2+ M
0	0	0		0	0	2	2	0	2+ 1-4	2,3	2,3 4
0	0	0		—	—	—	—	—			

Test 148 Contd.

Entry #	S.S. #	Var.		POP 3/11	59413 1/6/64	
64.	" 283682.	Katakatara.	Pakistan	0	2+	2+ M
65.	283683,	K.P.F.6.	"	0	2	2
66.	283685,	Marichbeti	"	0	2	2
67.	283686,	Panbira.	"	0	2+	2+ M
68.	283684.	Patisail	"		2+	2+ M
69.	283687,	Sanai -23.	"		4	2.4 M
70.	283688,	Tilak-Katahary	"		4	4
71.	283678,	Da-31.	"		2	2+
72.	281794,	Stirpe 136.	Portugal	0	2	2+ M
73.	281793,	Kinaldo Bersain	D"		4	4
74.	281796,	Binical	Phil.	0	4 M	4 M
75.	281803,	Macapilay Puso.		0	2+ M	2.4 M
76.	281805,	Pirmaseigne		0	2	2+ M
77.	281797,	Dinafor C-65-45-A3		0	2	2+ M
78.	281801,	FK-135		0	4	4 M
79.	281798,	BPI-76 FB-76?		0	4	4
80.	281799,	FB-120		N°	2	2
81.	281802,	FB-170		0	1	1
82.	281795,	B-E-3,		N°	2	2
83.	281800,	FB-124.			0	0

D-73		Po 2	61-L-4		D453-1			D453		
1/64		1/4	1/5		POT		D-1	G2F1		
0	0	0	0	0	2+	2,3	0	2	3+ M	2
0	0	0	0	0	2+	2+	2	2	4	2+
0	0	0	0	0	4F M	4F M	2	0	4	2
0	0	2	0	0	0	2	2	0	4	2
0	0	0	0	0	2	2	2	2	+	
0	0	0	0	0	2+ M	4F M	-	0	-	
0	0	0	0	0	0	0	-		-	
0	0	-	-	-	-	-	-		-	
5	5	0	0	0	2	2+ M	0	0	4	2
5	5	0	0	0	4F	4	4F	0	4	2
1	1	0	0	0	0	0	4F M	0	0	2,3 M
1	1	0	0	0	0	0	2	0	0	2
0	0	0	0	0	0	0	0	0	0	0
4 M	4	0	4F M	to 4	0	0	0	0	0	0
0	0	0	0 ISP1	0 ISP1	2	2 to 3	2	0	0	0
0	0	0	0	0	0	0	2	0	0	0
0	0	0	0	0	1	2	0	0	1	2,3
0	0	0	0	0	2	2	2,3	1/2	0	0
0	0	0	0	0	2	2	3+ M	0	0	0
0	0	0	0	0	2	2	~~0~~	-	-	

Test 148, Contd.

Entry #	P.I.#	Var.	1005 2/11	5943 1/6/44	
84.	281806,	Raminad Str. 3.	0	3	1+4
85.	281807,	Waq Waq.	0	1	1
86.	233289,	Peta -	0	4	4
87.	~~233289~~ 282768,	R.67 - Senegal	0	0	0
88.	282769,	R. 75	0	0	0
89.	282771,	Iguape Cateto.	2	2	2
90.	282767,	Japeni Tunkango.	0	1	1
91.	282766,	E. 425.	0	4 m	2 4 m
92.	282770,	RT. 1093 526.	0	4 m	2 4
94.	282820,	Chianung 242.	0	1	0
95.	282819,	C 115.	0	0	0
101.	282821,	Kaohsiung line 135.	0	0	0
102.	282822,	" " 137.	0	0	0
103.	282823,	" " 164.	0	0	0
104.	282825,	Taitung yu 83.	0	0	0
105.	282946,	Taichung 1. (Native #1)	0	4	4 m
107.	282824,	Pai-Ken-Tao.	0	0	0
108.	282455,	Nahng Mon 5-4,	0 Thailand	2+	2, 4 M
109.	282456,	Feaung yai 34,	0	2+	2
96.	275432,	Taichung 181.	0		
97.	275433,	" 182.	0		
98.	275434,	" 183.	0		

3,4- 99-0

2-3,4 100-0
0 101-0
0 107-0

D-73 P02 G1-L-4 P07+

1/64		1/4		1/2-		10453		D-11	62F1	0403	
0	0	0		0	0	2	2	0	0	0	1
1	0	2+		0	0	0	1	3F	0	2	0
0	0	0		0		4	4F	0	0	3+,4	0
0	0	0		0	6	0	10	4?	0	0	0
0	0	0		0	0	0	0	0	0	0	0
0	0	0		0	0	0	0	0	0	0	0
1	0	0		0	0	0	0	0?	0	0	3
0	0	0		0	0	0	0	0	0	0	0
0	0	0		0	0	0	0	0	0	0	0
4F M	1+4	0		0	1+4	3F	3F	4	2+	43	2
0	0	0		0	0	1	1	0	2	0	0
0	0	0		0	0	4	4F	0	3,4 F	0	2,3 4
0	0	0		0	0	0	0 1+3	0	0	0	0
0	0	0		4 M	3,4F M	3 M	3	4F	2	2+	2
0	0	0	3 M	0	0	4F	4F	0	1	0	2
0	0	0		0	0	0	0	2	0	0	0
0	0	0		0	0	0	0	0	0	0	0
0	0	2	2	1	1	0	0	3F	0	0	0
0	0	0		1	1	0	0	4	0	0	0
		0		0	0	1	1	0	2,3	0	0
		0		0	0	1	1	0	1,2+ 1	0	0
						0	0	0		0	3

Seed - 1-14-64

Test 149

5943
Rec 1

Entry #	Variety Pel. or Cross.		3/16/64	2/12
1477.	RRU ✕ RZ/RZ	M	1, 2	2,4F M
1505.	RRU ✕ RZ/RZ	R	1	1,2
1620.	RRU ✕ RZ/RZ	M	2	1,2 1/4F M
1716.	RRU ✕ RD/Sadri	M	2	2,4F M
1724.	" "	R	1, 2	1,2
1715.	" "	S	1, 2	2,4 S'shoots S
1804.	RRU Rogue	M	2+	2,4F M
2104.	Kof Ref. mu ✕ R-L	R	1, 2	1,2
2105.	" " "	R	1	1,2
3168	" " "	M	2	1, 2,4 M
3317.	Kof Ref mu ✕ Ref. Lac.	R	2	1,2
2207.	13d ✕ RR	M	2	2 M
2346.	R/pf-7/8 ✕ Kof Ref. mu.	R	0	0
3019.	R/pf. 7/8 ✕ 13d	R	0	0
3061.	R/pf. 7/8 ✕ RL	R	0	0
3109.	R/pf-7/8 ✕ 7/8 Bbt.	R	0	0
3127.	RD Sadri	R	1, 2	1,2
3300	13d ✕ Be	R	2	2
3766.	13d ✕ 60 Blast 186.	R	2	2
3781.	9439 ✕ 60 Blast 186.	R	2	2

Test. 149, Cont.

Reel 5912

Entry #	Variety Etc.		2/10/24	2/12
3783	9439 ♂ 60 Blast 186.	R	1	1
3811.	Blast 98 ♂ 13d.	R	1	1
3818.	61 Blast 98 ♂ 13d.	R	1,2	1
3155.	13d. ♂ Ni 4700.	R	1,2	1,2
4480.	13d ♂ Ni/4700	R	1	1
3402.	13d ♂ 7/8 Bbt.	R	1	1
3408.	13d ♂ 7/8 Bbt.	R	1	1
4266.	13d ♂ " "	R	1?	1,2
3449.	13d ♂ 6354.	R	1	1,2
3464.	" " "	R	1	1,2
3754.	Rx ♂ Rx ♂ tp 6001.	M	1	1,4F
2236.	Sat. ♂ RB.	R	1	1
2611.	Liz ♂ Hato	R	0	0
2612.	" "	R	0	1
2614.	" "	R	0	0
2621.	" "	R	0	0
2625.	" "	R	0	0
2645.	" "	R	0	1
2648.	" "	R	0	0
2651.	" "	R	0	0

Test. 149, Cat. Reel 5913

Entry #	Vanity Etc.			
			3/0	
2659.	Nato	R	0	0
2663.	Nato & Fig.	R	0	0
4196.	Bet & Fig	R	0	0
2719.	Nato & 9439.	R	0	0
2720.	" "	R	0	0
2727.	" "	R	0	0
2737.	S.S. Nato & Rz / 250m	R	0	0
2741.	Sh	R	0	0
2748.	"	S	4	4
2758.	"	R	0	0
2791.	Off Cross / 350m	R	1	1
2793.	" "	R	0	14
2797.	" "	R	0	0
2798.	" "	R	0	0
2799.	" "	R	0	0
2802.	" "	R	0	0
2806.	" "	R	2	24
2818.	R/pf & Mag 2	R	0	0
2828.	13d Fac.	R	0	2
2835.	" "	R	0	0

Test 149, Cont.

			Rec'l 5/9/13	
Entry #	Vacuity Ltt.		3/10	3/10
2920.		R	24	24
2918.		R	1	0
4808.	Rk/250m & Rk/250m 9482	M	1	Shaft M
4951.	Nate & Rk.	R	0	0
4952.	Nate & Rk.	R	1	1
4953.	" "	R	1	1
4956.	" "	R	1	1
4957.	" "	R	1	1
	Zenith	S	4	4
	9540 ℄	R	1	2
	9482 ℄	M	0	2,3† M
	9481. Stg.	R	1	0 M
	9554. Stg.	R	0	0
FD096	R. 275432		0	0
97	275433.		0	0
98	275434.		0	0
99	275435. Taichung Line 48212. B62-8760-62 -63-796.			0
100	275436. " " 47220. B62-8762-66, -797.			0
106	275421. Bir-me-Jen. B63-2605-07			0

Test 150

Seeded - 1-27-64

5961-3

Entry #	Variety Sel. or Cross.	2/2
#4.	PI 274451. H-4.	1, 2
Long Grain- 320.	CI 9551, TP dw/Kan X BLY. 50	2, 3 M
912.	PI 276154. SML 242	1
5055.	CI 6008 x Rec. 13	4F
5069.	(CP X R-2) x BLY. 50	1
5089.	PI. Milben 3	1
5090.	CI Nira	2
5124.	Rexoro X Bozu	2
5218.	RR X 250 mag	0
3228.	R-2 X RR.	0
— 937.	PI 274740. Dinagat	0
Medium Gr. 5004.	R-2 #8 X La (Gk)	0
5010.	R-2 #8 x La gh	0
5012.	R-2 X 250 - mag	2, 3 M
5013.	"	2, 3 M
5013.	CI 9482. R-2 X 250 m	2
5036.	CI 9540. Saturn	2
5042.	R-2 #8 X IR 8	4
5047.	SML X Rec 13	1
5158.		1

Test 150, cont.

5 9 4 3

Entry #	Var. Sel. or Cross.		
A3	RR ♀ 250/m	2, 3	
Med. Gr. Con.		m	
204.	Col. 9540 (250/mag ♂ for check.)		
207.	R-Z ♀ 350 Mag (gh)	1	4
208.	RZ ♀ Lac. (gh)		0
209.	RZ ♀ Lac. (gh)		0
210.	R-Z ♀ 350 mag (gh)		4
211.	Nato ♀ 250/Mag.		2
212.	L/M ♀ Nato		2
214.	Nato (Clear Drain) Check.		0
5004.	RZ ♀ Lac. (HB Les.) (gh)		0
3010.	RZ ♀ Lac. (gh)		0
3712.	R-Z ♀ 350 Mag (gh)		4
5717.	R-Z ♀ 250 Mag.		2
	P.I. #		
1703.	" 273472. U.S. St. 106. Japan		
1704.	273473. U.S. St. 222.	"	0
1705.	274213. TO-TO	"	1
1721.	277220. Hsaio-Nan-sen	Taiwan,	
1722.	277234. Sun Sce Sen		0
1723.	277345. Taicheng Sai Co.		0
1724.	279138. Hua-lon		0
Z ♀ RZ			4

Contd.

5Q413

Entry #	P.I. #	Geo. -	
			3/2
1725.	279139.	I-Kung Pao.	1
1726.	279153.	Taichung Sai Co.	0
1727.	279174.	Yfa-lum	0
6904-06.	282943.	Natala.	Japan. 0
6919-21.	226206.	Shuko	" 0
6922-24.	273471.	Up.-21.	Strain 121. 0
6925-27.	273472.	Up.-36	Strain 106. 0
6928-30.	273473.	Up.-98	Strain 222. 0
6931-33.	274213.	No 65-122	toto 0
7152-54.	277218.	Chia-Hsien 14.	0
7155-57.	277221.	Hsinchu 50.	0
7158-60.	277223.	Kaohsiung 10.	0
7161-63.	277224.	Kaohsiung 22.	0
7164-66.	277226.	Kaohsiung 24	0
7167-69.	277226.	Kaohsiung 67.	0
7173-75	277238.	Taichung 155.	0
7176-78.	277240.	Taichung 170.	0
7179-81.	277242.	Taichung 173.	0
7674.	226318.		Mel.? 0
7675.	226323.	C1-C-1-2	Mel.2

Contd.

Entry #.	Rd. #.			5/13
				3/2
7676.	226352.	C.1-466-3-1.	Med.	3+ m
7677.	226365.	C1-307-1-4	Med.	3+ m
7678.	226399.		Med.	0
7679.	226423.	C6-116-3-1	Med.	4
7680.	226424.	C6-116-3-3.	Med.	4
7681.	226425.	C6-116-3-4.	Med.	4
7682.	226426.	C6-116-3-5.	"	4
7683.	226428.	C6-146-4-2.	"	4
7684.	226429.	C6-146-4-3.	"	2+ m
7685.	226430.	C6-146-4-4.	"	2+ m
7686.	226431.	C6-146-4-5.	"	4
7687.	226432.	C6-221-4-1.	"	4
7688.	226433.	C6-221-4-2	"	3 m
7689.	230102-1	Criolla	"	Vs
7690.	230102-2.	Criollo	"	Vs
7691.	230102-3.	Criollo	"	2+ m
7692.	230102-3.	Criollo.	"	2+ m
7693.	230102-4.	Criollo.	"	2+ m
7694.	230102-6.	Criollo	"	2,3 m
7695.	233136.	Lemadja	Indonesia	2,3 m

Zenith Check.

U.S. Blast Differentials

Test 154

	63-L-2	63-L-3	63-L-4
1. G.S. 7787.	0	4F 4	0
2. "1361-1	4	0	4
3. "8985	2 4F	0 2, 3, 4 4F	4
4. "8970 S.	5	5	5
5. "5309.	1	0	0
6. "180061	2+4	4	0 2+4
7. "201902.	2+2+	2	0 2+4
8. "8970 P.	5	0	5

	63-L-5	63-L-7	63-L-8	63-L-11
1. G.S. 7787.	0	0	2+	0
2. "1361-1	5	4	5	4
3. "8985	2 4	2 4F	2+ 4	2 4F
4. "8970 S.	5	5	5	4
5. "5309.	0	0	0	0
6. "180061	2+	0 4	2+ 4	2+4
7. "201902	2+	0 4	2+ 4	2+4
8. "8970 P.	5	5	5	2

G.S.'s Contd.

	63 L 12	63 L 13	63 L 14	63 L 17
1. G.S. 7787	0	1	4	0
2. " 1561-1	4	4	0	5
3. " 8985	4*	2, 3 4F	2 2, 3	2 4
4. " 8970 S.	5	5	4	5
5. " 3309	0	0	0	0
6. " 180061	4? 4	2-4	4	2 4
7. " 201902.	4? 4	2-4	2	2 4
8. " 8970 P.	5	5	0/3?	5

	63-L-20	63-L-19	63-L-16	63-L-23
1. G.S. 7787	0	0	0	0
2. " 1561-1	5	4	4	4
3. " 8985	4	2 4?	2 4	2 4
4. " 8970 S.	[0]	4	0? 4	[4] 4
5. " 3309	0	0	0	0
6. " 180061.	2-4 4	0 4?	2 4?	2-4 4
7. " 201902.	4 4	2 4?	2 4?	2-4 4
8. " 8970 P.	5	4	4	4

Test No. 151, Cont.

	63-L-29	63-L-30	63-L-31	63-L-32
1. 7787	0	0	0	0
2. 1861-1	5	4	4	4
3. 8985	4-4**	2 2,4 1~4	2,4	4
4. 8970-S	4	4	4	[0]
5. 5309	0	0	0	2 1~4
6. 18001	2 4	2 4F	4	2
7. 20190-2	2 4	2 2-1	2 4 4?	2 4?
8. 8970-R	4	4	4	4

	63-L-40	63-L-6	63-L-9	63-L-10
1. 7787	0, 1~4	0		0
2. 1561-1	5	4		
3. 8985	2-4	4	4 1~2	
4. 8970-S	5	4		
6. 5309	1~4	0		
6. 18006 1	2,3 4	0		
7. 20190-2	2,3 4	0		
8. 8970-R	4	4		1~4

	63-L-21	63-L-22	63-L-34	63-L-36
1. Zenith	0	4	0	0
2. Calor	4F	0	4F	4F
3. Lee	4	0	4	4F
4. 8970-S	4	4	4	4
5. 5309	0	0	0	0
6. 180-61	0	4	0	0
7. 201902	0	0	0	0
8. 8970-P	4	0/4 DIT	4	4

	63-L-37	63-L-39	~~63-L-44~~ 63L48	63L15
1. Zenith	0	0	4	4
2. Calor	4	0	5	5
3. Lee	0	2	5	5
4. 8970-S	4	4	5	5
5. 5309	0	0	1	0
6. 180-61	0	0	2*	2,3
7. 201902	0	0	2*	2
8. 8970-P	4	4	5	5

*Dot

Japanese Varieties

Test. 152 Seeded 1-12-64

Entry #	P.I. #	Var.	Rep 6 62 A-15 3/9	Rep 6 62 A-15 3/11	Rep 1 63 L-2 3/9	Rep 1 63 L-2 3/13
J 1.	" 280682.	Jettop	1, 2		0	0
J 2.	" 280681.	Tadukan	1, 2		0	0
J 3.	" 280683.	Usen	2+	2, 3	2	1, 2
J 4.	" 280674.	Kokoto	0	1	0	0
J 5.	" 280684.	Yaleiko	0	1	0	0
J 6.	" 280678.	Kanto 51.	0	1	1	0
J 7.	" 282402.	Ishikari Shiriake	4	4	2	2
" 8	" 280676.	Komare Nishike	2+	4	2	2 to 4
9.	" 282401.	Dinga	2	4	4	4
10.	" 280680.	Norin 22.	2	2, 3 to 4	2	4
11.	" 280673.	Aichi Asahi	4	4	4	4
12.	" 282403.	Norin 20.	2+	4	5	5
13	" 281786.	Norin 1.	1	4	0	0
14.	" 281630.	Norin 11.	5	5	2	4
15.	" 281787.	Norin 17.	2+	4	0	0
16.	" 223737.	Si no 1.	4	4	0	0
17.	" 223738.	" no 2	0		0	0
18.	" 274212.	" no 3	0		0	0
19.	"	" no 4	+	-	-	-
20.	" 274213.	Toto	4	4	2	2

Rec 16
63-L-12

0	0
0	0
4	2,3,4
1	1
0	0
1	1
24	2, 3 M
24	24
2	2
34	34
4	4
4	4
1	1 & 3
4	4
1	1
2	2
0	0
0	0
—	—
4	4F

Test. 15 2, Cont.

Entry #	P.S. #	Var.	Rep 4 GA 15 3/9		Rep 1 63 L 22 3/9	3/12
J 21.	P.I. 275453.	Reishiko	0		0	0
22.	" 281631.	Komoemasari	4	4	4	4
23.	" 281628.	Boza.	4	4	4	4
24.	" 281629.	Isao-Mochi	2	4	4	4
25.	" 281632.	Wase-boza	1	4	4	4
26.	" 281633.	Wase-Shiroke	2+	4	0	4? F
27.	" 226206.	Shuko	4	4	4	4F
28.	" 273471.	U.P. 21 Strain 121.	1		0	0
29.	" 273472.	U.P. 36 Strain 106.	1		0	0
30.	" 273473.	U.P. 98. Strain 222.	2		0	0
31.	" 274216.	Kongo.	0		0	0
32.	" 281785.	Kongo.	0		0	0
Co-1.	" 275428.	Taichung 65.	0 ✓		0	0
2.	" 277241.	Taichung 171.	0 ✓	4F	0	0
3.	" 275425.	Chiaonung yu no. 280.	0		0	0
4.	" 275423.	" " 242.	4?	4	0	0
5.	" 282942.	Kwang fu no 1.	2 ✓	4F	0	0
6.	" 282945.	Tai-Kam-tao	0		0	0
7.	" 282947.	Taichung line 83.	0 ✓		0	0
8.	" 282940.	Kao-Chio-Lin-Chou	4	4	4	4

Chinese VAR.

63-L-12

0	0
4	4
4	4
4	4
4	4
0	4F
0	0
0	0
0	0
0	3F
0	0
0	0
4	4F
1	2,3
2	2
0	0
0	0
1	1
1	1
4	4

Test. 152, Cont'd

Entry #	S.I. #	Var.	Rock 62A15 3/9		Rock 63L22 3/9	3/
C-9.	" 279141,	Kaocheng-ba-li-chen-yu.	4 4		4	4 M
10.	" 282948,	Taicheng-Tichio-wu-Chien.	4	4	0	0
11.	" 282939,	Custelgalcule	0	4F	0	0
12.	" 282943,	Katala	2		0	0
13.	" 282839,	Xanto #31.	0		0	0
14.	" 282944,	Kung hsie #21.	2	4F 0/4?	0	0
15.	" 224900,	Senalo.	0	4	2	4 M
16.	" 282941,	Kung-shen-wu-shen-hsu.	4	5	4	4
17.	" 282946,	Taicheng 1.	0		1	0
18.	" 282819,	C-115.	0		0	0
19.	" 273432,	Taicheng 181.	0		0	0
20.	" 273433,	Taicheng 182.	0		0	0
21.	" 273434,	Taicheng 183.	0		0	0
22.	" 273435,	Taicheng line 48212	0		0	0
23.	" 273436,	Taicheng line 47220.	0		2	0
24.	" 282821,	Kaohsiung line 135.	2		0	0
25.	" 282822,	" " 137.	2		0	0
26.	" 282823,	" " 164.	4	5	0	0
27.	" 282825,	Taitung yu 83.	0		0	0
28.	" 273421,	Bia-me-fen.	0	4F 0/4	0	0

32-12

4	4
5	5
4	5
4	4
0	0
4	4
4	24
4	4
24	24
1	1
1	1
1	1
1	1
0	0
0	0
0	0
0	1
0	0
0	0
4	4

Test. 152, Cont.

Entry #	P.I. #	Var.	Rep 6 6.30.15 3/9		Rep 1 6.3.15 3/9	3/13
C-29.	" 282824.	Pai-Ken-Tao.	0		0	0
30.	" 277218.	Chia-Yan 16.	4F	4	0	0
31.	" 277221.	Hsin Chu 30.	4		0	0
32.	" 277223.	Kaohsiung 10.	0		0	0
33.	" 277224.	" 22.	0		0	0
34.	" 277225.	" 24.	0	0/4	0	0
35.	" 277226.	" 27.	2	4F	1	0
36.	" 277229.	" 64.	0	2	0	0
37.	" 277246.	Taichung Special 6.	4+	5	4	4
38.	" 277247.	Taipan 1.	0		0	1
39.	" 277248.	Taipei 127.	4	4	4	4
40.	" 277249.	" 306.	4	4	4	4
41.	" 277250.	" 307.	2	4?	0	0
42.	" 277252.	Tainung 1.	4	4	0	0
43.	" 277253.	" 16.	4	4	0	0
44.	" 277254.	" 24.	2+	4	0	0
45.	" 277255.	Yochia 1.	0	4	0	0
46.	" 277216.	Chia-Yan 2.	0	1+4	0	0
47.	" 277238.	Taichung 185.	0		0	0
48.	" 277244.	Taichung 180.	0		0	0

63	42
0	0
0	0
0	0
0	0
0	0
0	0
2	2
2	2
4	4
1	2
4	4
4	4
2	2;3
2	21
4	4
4	4
4	4
21	21
4?	4F
21	21

Test. 152 cont.

Entry #.	P.I. #	Var.	Rac 6 62A15 3/9		Rac 1 63L22 3/9	3/1
C-49.	" 277240.	Taichung 178.	0		0	0
50.	" 277242	Taichung 173.	2	4	0	0
51.	" 277220.	Tsaio-Nan-sen	5	5	0	0
52.	" 277234.	Sen-see-sen	4	4	0	0
53.	" 277243.	Taichung Pai Co.	2	1	0	0
54.	" 279138.	Hwa-loo	4	4	0	0
55.	" 279139.	I-Kung Pao.	2+	2	4	4
56.	" 279133.	Taichung-Pai-Co.	2		0	0
57.	" 279174.	ya-lu	4	4F	0	0
F.a.o. 1.		A-36-3. Burma	2	2,3 m	1	1
2.		A-36-11.	2	2,4F m	0	0
3.		B 35-1.	2	2,3 m	4?.	2,4 m
4.		B 401	4	4	4?.	2,4 m
11.8.		D23-4.	0		0	4
13.8.		H-4 Ceylon.	1		0	0
14.		H-5	1		0	0
15.		H-105.	1	2	0	0
16.		H-301.	3+	4	1	0
17.		Murungakayan 302.	1	1,2	2	2
22.		Cesariot. France	5	5	4	5

63-L-12

2	2
5	5
2	2
4	4F
4	4F M
4	4
4	4
4	4
4	4
2,3	2,3 in 4
4	4
4	4
4	4
0	0
0	0
0	0
0	0
2	2
0	0
4	4

Test. 132, Cont.

Entry #	S.S.#	Var.	1960 62 DAP 3/9		1961 63 22 3/9	3/12
7.20.	23.	Jang, France.	5	5	0	0
	24.	Arlesienne "	4	4	0	0
	25.	Cigalon "	4	4	0	0
	26.	Fai yiu Osai. Hong Kong.	2	2,3 m	0	0
	27.	Kam Bau Ngau "	1		0	0
	28.	Yo Shu Ngau "	2	2,4F	0	0
	29.	Sal Huk Chai Mei "	1	2,4F	4	4 M
	30.	Nainidhan, India.	0		0	0
	31.	St B. 10 "	2+		2	1
	32.	A.C. 2250 "	2		2	3+ M
	33.	Hybrid 1. "	2	2,3 to 4	2	3,4
	34.	" 11. "	4	3,4F	2	3,4 M
	35.	S.67. "	0		0	0
	36.	Co. 4. "	1		2	0
	37.	Co. 23. "	0		0	0
	38.	Suwon No. 152. Korea	0		0	0
	39.	" 158.	0		0	0
	52	Acheh Pertah Malaya	0		2	1, 3, 4 F
	53.	Sabang Sultan 117.	2+		2+	3
	54.	Mayang Sagumpal.	1		2	4 M

6	3	4	1	2	
5					5
3,	4				3, 4
3,	4				3, 4
4					4
1					1
2					2
2					2
1					1
24					24
0					0
1					1
1					1
1					1
0					0
0					0
0					0
0					0
0					0
1					1
1					1

Test. 152, Cont.

Entry #	P.I. #	Var.	Book 62A15		Rec'd 63L22	
			3/9		3/9	
F.a.o. 57.		Oeri Raja Malaya	0		0	0
58.		Mayang Ebos	2	2+	0	4
61.		Dulan (Pal.) ©	2	2+	2+	4
62.		Karial	2	2,3	4	4
64.		Katalkan	1		2+	4
65.		K.P.F. 6	1,2		0	0
66.		Maricbetti	1,2		4	4
67.		Sanluis	1,2		4	4
72.		Stripe (Sout.)	3,4	4	2	4.
73.		Rinaldo Bevain	5	5	5	5 VS
74.		Sinicol (Phil.)	2		1	1,2
75.		Macipilay Puna	0		2	1,2
76.		Sinusigue	1		1	2
77.		Quiafoe 6-53-45	A3.4	4	0	4F
78.		FK-135	2		0	4F
79.		B.P.I. 76.	2		4	4
80.		F.6.-120	0		4	4 M
81.		F.6. 170.	0		4F	0/4 15P9
82.		B-E-3	2+		1	1-
84.		Kaminal Sta. 3	1		0	0

63412

1	1
0	0
0	24
4	4
0	0
0	1
0	0
0	0
2	2
5	5
4	4
0	
0	
0	
0	
0	
0	
0	
0	
0	

Test. 152, Cont.		Rec 6 62A15		Real 63A22	
		3/9	7/11	3/9	3/1
85.	Wag Wag	1		0	0
86.	Leta	0		4	4
87.	R. 67.	2		0	4F
88.	R. 78.	1		0	0
89.	Iguapo Cateto (Rt. 1095: 526)	1		0	[0
90.	Jappeni Calungo	0		0	0
91.	E420	0		4	4
92.	Yelele	2		4	4
108.	Malang Mon S.t	4F	0/4 1Spl.	0	0
109.	Yeaung Yfii Tao.	1	1	1	1
1.	Smith	0	0	4	5
2.	Calvo	4	4	0	0
3.	Vacuoc	2, 4	2, 4 4F	0	0
4.	" 8970 S.	5	5	5	5
5.	" 5309	0	0	0	0
6.	" 180061	0	2	4	4
7.	" 201902	2	2, 3	0	0
8.	" 8976 Pl	5	5	0/5	0/5

DIFF.

63612

0

10

1

2

0

4 4F

1

3F 3F

0

0

0

4F

M

4

0

0

0

4

16
18
17
12

$27 \times 42 = 9a$

Plant	R	S	Int
1	✓	✓	
2			
3		✓	
4	✓		✓
5			

GREENHOUSE TESTS
Tests 153-174

1963

AS–12 B
(11–54)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE

_____
(Branch)

FIELD NOTEBOOK

If found, please tie securely and return to:
(Employee's name)
(Street address)
(City and State)

SUGGESTIONS CONCERNING THE TAKING OF FIELD NOTES

The following notes should be expressed as given:

SIZE OF PLAT.—State in fractions of an acre, as ⅛, ⅒, etc., or, if nursery rows, length and width of the rows in feet.

RATE OF SEEDING.—Pounds per acre.

STAND.—Given in percentages or number of plants in the row.

DATE.—Given in figures, as 9–15 (September 15).

In addition to the above notes, records should be made on kind of soil, character of field, previous crops, preparation of seedbed, and seeding method and other general notes pertinent to the experiment. It is suggested that the numerical system be used in taking other notes when possible and that five different degrees of condition of the character be available for expression.

An example of this system is as follows:

LODGING.—1=prostrate, 3=nearly prostrate, 5=leaning, 7=suberect, 9=erect.

In case degrees between any of the five stages are observable, they may be designated by one of the intermediate numbers, such as 2, 4, 6, 8. The leaders of the various projects will supply the characteristics on which records are desired.

The following space is available for a description of the legends used.

U. S. GOVERNMENT PRINTING OFFICE 326883

	Zen.	Lac.	Cal.	8970 (P)	8970 (>)	5309	180661	201902
1	+	-	-	-	+	-	+	-
2	-	+	+	-	-	-	-	-
3	-	-	+	+	+	-	-	-
4	-	-	+	-	-	-	-	-
5	-	-	-	-	+	-	-	-
6	-	+	+	+	+	-	-	-
7	+	+	+	+	+	+	+	-
8	-	+	+	+	+	+	+	-
16	-	+	+	+	+	-	+	+

Test No. 153.

	6248	62415	62A8
1. CI. 1561-1, Calow	5	4	4
2. CI 8985, L6 Cuorse	2 2,3+	2,3+	2+
3. PI 180041	2 2,3+	2	1
4. PI 291902	2 2,3+	2	1
5. PI 281794. Stripe	4	4	4
6. PI 281793. R. Bisami	5	5	5
7. Usen	1 1+	2	0
8. Chokoto	0	2	0
9. Yakei Ro	2	0	0
10. Kanto 61	0	0	0
11. Ishikei-Shi,	4 4	4F	4F
12. Hombu-nishiki	4F 1+4	4 0	0
13. Beiga	4; 4	0	0
14. Norin 22	2 4F	0	0
15. Aichi-asahi	4 4	4F	4F
16. Norin No. 20	1+4; 4F	2	0

42A-17	AT-40	AT-41	AT-16	4244
4	4	4	4	5
2	0 2	2	2 to 4	2 2+
0	0	0 2	2	2 2
0	0	0 2	2	1 2
4	4	4	4	4
4	5	5	5	5
0	2	0	3 4F	1 4F
0	0	0	0 0	0 0
0	0	0	0 0	0
0	0	0	0 0	0
4F	4F	4F	4 4	4 4
0	0	0	2 4	1 to 4
0	2	0 2	2 4F	1 to 4 4F
0	1 41	0	3 4F	3 4F
4F	4F	4F	4 4	4 4
0	2 1 to 4	0	4 4	3 4F

	62A4	62A7		62A11	
1. Caloro		4F		5	
2. Lee		2	2	2	41
3. PI 180061		0	2	1	1, 2
4. PI 201902		1	2+	2	1, 2
5. Stripe		4		4	4
6. R. Bersani		4F		5	
7. Caen		0		2	
8. Chokoto		0		1	
9. yakeiko		0		0	
10. Kanto 51		0		0	
11. [illegible]		4F	4	4F	
12. Homare nishiki		0		1	
13. [illegible]		0	2	2, 3	
14. Norin 22		0		2	
15. Aichi-asahi		4F	4	4	
16. Norin 20		0		1	

Test #153

F_2 population in 1963 at Crawley. PI 216 936 x R-RX 250-1 mg

1963 Coo. No.	Row 6-16 R	S	
6203-1	5	5	Segg
-2	7	3	Segg
-3	0	10	S
-4	0	10	S
-5	6	4	Segg
-6	9	1	Segg
-7	8	2	Segg
-8	7	3	Segg
-9	1	9	S
-10	0	10	S
-11	5	5	Segg
-12	10	0	R
-13	0	10	S
-14	6	4	Segg
-15	0	10	S
-16	9	1	Segg
-17	1	9	S
-18	1	9	S
-19	1	9	S
-20	5	5	Segg

R - 1
Segg. 10
S - 9

Grad. Comp. Sci. Room 614.
D-73, 61-64

	R	S	
4203-21	1	9	S
-22	5	5	Sig
-23	0	10	S
-24	0	10	S
-25	0	10	S
-26	0	10	S
-27	2	8	Sig
-28	0	10	S
-29	7	3	Sig
-30	2	8	Sig
-31	0	10	S
-32	2	8	Sig
-33	2	8	Sig
-34	1	9	S
-35	1	9	S
-36	0	10	S
-37	1	9	S
-38	0	10	S
-39	8	2	Sig
-40	6	4	Sig

R - 0
Sig - 8
S - 12

Tst. 155, Cont.

1963 Lab. #	R	S	
6203-41	2	6	Soy
-42	9	1	Soy
-43	9	1	Soy
-44	7	3	Soy
-45	5	5	Soy
-46	1	9	S
-47	10	0	R
-48	10	0	R
-49	0	10	S
-50	10	0	R
-51	1	9	S
-52	0	9	S
-53	0	10	S
-54	4	6	Soy
-55	1	9	S
-56	2	8	Soy
-57	0	10	S
-58	10	0	R
-59	8	2	Soy
-60	6	4	Soy

R - 4
Soy - 9
S - 7

	R/T	S/9	
.203- 61			S
-62	8	2	Sog
-63	0	10	S
-64	0	10	S
-65	0	10	S
-66	0	10	S
-67	6	4	Sog
-68	4	6	Sog
-69	0	10	S
-70	1	9	S
-71	10	0	R
-72	1	9	S
-73	3	7	Sog
-74	0	10	S
-75	0	10	S
-76	5	5	Sog
-77	8	2	Sog
-78	3	7	Sog
-79	3	7	Sog
-80	1	8	S

R- 1
Sg- 8
S- 11

Test # 155, Cont.

1963 Case #	R	S	
6203-81	6	2	Sag
-82	8	2	Sag
-83	0	9	S
-84	0	10	S
-85	6	4	Sag
-86	1	9	S
-87	2	8	Sag
-88	5	5	Sag
-89	0	10	S
-90	1	6	S
-91	10	0	R
-92	4	6	Sag
-93	1	9	S
-94	1	9	S
-95	10	0	R
-96	1	9	S
-97	0	10	S
-98	1	4	S
-99	1	14	S
-100	10	5	Sag

R = 2
Sg - 7
S - 11

	R	S	
6203-101	9	0	R
102	10	0	R
103	4	6	Sag
104	1	7	S
105	6	4	Sag
106	0	10	S
107	1	9	S
108	5	4	Sag
109	0	10	S
110	1	9	S
111	7	2	Sag
112	10	0	R
113	0	10	S
114	0	9	S
115	1	9	S
116	5	4	Sag
117	0	10	S
118	4	6	Sag
119	0	10	S
120	5	5	Sag

R - 3
Sag - 7
S - 10

Test. 155, cont.

	R	S	
6203-121	7	3	Sag
122	4	5	Sag
123	0	7	S
124	1	9	S
125	6	4	Sag
126	2	8	Sag
127	0	10	S
128	6	4	Sag
129	1	6	S
130	9	1	Sag
131	7	3	Sag
132	7	3	Sag
133	6	4	Sag
134	10	0	R
135	6	3	Sag
136	0	10	S
137	4	6	Sag
138	0	10	S
139	0	10	S
140	7	3	Sag

R - 1
Sg - 12
S - 7

		R	S	
203	141	5	5	Sag
	142	7	3	Sag
	143	0	10	S
	144	0	10	S
	145	0	8	S
	146	2	8	Sag
	147	1	9	S
	148	0	11	S
	149	1	9	S
	150	4	4	Sag
	151	1	9	S
	152	2	8	Sag
	153	0	10	S
	154	3	7	Sag
	155	6	3	Sag
	156	7	3	Sag
	157	1	9	S
	158	5	7	Sag
	159	1	9	S
	160	1	9	S

IP - 0
Sag - 9
S - 11

Test 155, Cont.

R — 3
Sog — 25
S — 12

	R	S		R	S	
203. 161	2	8	Sog	4203. 181	4	6	Sog
162	4	6	Sog	182	10	0	R
163	2	8	Sog	183	7	3	Sog
164	1	9	S	184	2	8	Sog
165	4	6	Sog	185	4	6	Sog
166	10	0	R	186	8	2	Sog
167	3	7	Sog	187	3	7	Sog
168	0	8	S	188	3	7	Sog
169	9	0	R	189	0	10	S
170	2	8	Sog	190	3	8	Sog
171	0	10	S	191	8	2	Sog
172	0	10	S	192	7	3	Sog
173	0	10	S	193	6	4	Sog
174	9	1	Sog	194	0	10	S
175	2	7	Sog	195	0	10	S
176	0	9	S	196	5	5	Sog
177	0	9	S	197	7	2	Sog
178	7	3	Sog	198	9	1	Sog
179	5	5	Sog	199	9	1	Sog
180	0	10	S	200	0	8	S

R – 20
Sog – 18
S – 22

	R	S			R	S	
203-201	0	10	S	6203-221	1	6	S
202	0	10	S	222	1	9	S
203	0	10	S	223	3	8	Sog
204	0	8	S	224	0	10	S
205	6	4	Sog	225	3	7	Sog
206	4	6	Sog	226	1	2	Sog
207	1	3	Sog	227	3	7	Sog
208	0	6	S	228	1	9	S
209	3	2	Sog	229	0	10	S
210	1	7	S	230	0	10	S
211	0	10	S	231	2	8	Sog
212	1	9	S	232	2	7	Sog
213	5	5	Sog	233	3	7	Sog
214	6	4	Sog	234	0	10	S
215	3	8	Sog	235	0	10	S
216	0	10	S	236	0	10	S
217	8	2	Sog	237	1	9	S
218	0	10	S	238	8	2	Sog
219	0	7	S	239	3	10	Sog
220	0	10	S	240	3	10	Sog

Test 155, cont.

R-5
Sog-23
S-12

	R	S			R	S	
6203-241	10	3	Sog	-261	8	3	Sog
242	0	11	S	262	2	11	Sog
243	4	12	S	263	0	13	S
244	17	0	R	264	9	6	Sog
245	0	10	S	265	10	2	Sog
246	6	6	Sog	266	8	7	Sog
247	5	10	Sog	267	10	1	Sog
248	3	9	Sog	268	0	9	S
249	8	3	Sog	269	7	6	Sog
250	1	9	S	270	12	2	Sog
251	10	5	Sog	271	1	7	S
252	15	0	R	272	13	0	R
253	11	0	R	273	8	3	Sog
254	1	4	S	274	5	7	Sog
255	6	2	Sog	275	0	4	S
256	2	8	Sog	276	1	11	S
257	3	4	Sog	277	10	4	Sog
258	0	12	S	278	2	8	Sog
259	5	6	Sog	279	3	6	Sog
260	12	0	R	280	1	11	S

R - 5
Sqz - 9
S - 6

	R	S	
203-281	5	8	Sqz
282	11	2	Sqz
283	1	13	S
284	3	6	Sqz
285	0	9	S
286	9	3	Sqz
287	0	15	S
288	0	11	S
289	4	12	Sqz
290	15	0	R
291	1	11	S
292	13	0	R
293	13	1	Sqz
294	11	2	Sqz
295	11	0	R
296	12	0	R
297	4	9	Sqz
298	1	9	S
299	13	0	R
300	8	2	Sqz

Summary

R	Sqz	S
1	10	9
0	8	12
4	9	7
1	8	11
2	7	11
3	7	10
1	12	9
0	9	11
3	25	12
0	18	22
5	23	12
5	9	6
25	145	130

	Obs	Ratio	Expected
R -	25	1	18.75
Sqz -	145	8	150.00
S -	130	7	131.25

Test 156.

	63-T-4	63T-5	63T-6	63T-8
1. Zenith	0	2	1	1
2. Calon	4	5	5	5
3. Lacuna	1~4 2,3	2-4 2,3	2	2
4. 8970-S	4	5	5	5
5. 5309	0	2 1 1~4	2	0
6. 180061	0	2 2	1	1
7. 201902	0	2 2,3	1	2
8. 8970-P	4	5	5	5

	63T-10	63T-13	63-L-15	63L-25	
1. Zenith	0	0	2-4	4	4
1. 2 Calon	5	5	4	0	0
3. Lac	2 1~4	2	5	0	0
4. 8970-S	5	5	5	4	4
5. 5309	0	2	0	0	0
6. 180061	0	1	1	4	4F
7. 201902	2,3F	2,3	2-4	0	
8. 8970-P	5	5	5	0/4 1 spl	

	63<38	63<41	63<44	63<45
1. Zenith	2,3 2,3	2+	2+ 2,3	2
2. Calow	4	5	4	4
3. Loc	5	5	4	4
4. 8970-S	5	5	5	5
5. 5309	2	1	0	0
6. 180061	2	2	2	2
7. 201902	1-4	2	2	3
8. 8970-P	5	5	5	5

	63<47	63<48	63<53	63A2	63A
1. Zenith	2,3	4, 2,3+	2-1 1	2+	1
2. Calow	5	4	4 4	5	5
3. Loc	5	5	4 4	2 2,4	2
4. 8970-S	5	5	4 5	5	5
5. 5309	1	1	0 0	0/5 (SP)	
6. 180061	1	1	0 2	0	
7. 201902	1	1	0 2	0/4 (SP) 1,3	
8. 8970-P	5	5	4 4	5	5

Test. 156 cont.

	63A12	63A14	63A33	63-T-1	T-3
1. Zenith	1	1	0 1	0	0
2. Calow	5	5	5	4	4
3. Loc	2,4	2+ 2,4 4F	5	1,2 4F	1
4. 8970S	5	5	5	5	4
5. 5309	0	0	0	0	0
6. 180061	1	2+ 1	2	1	0
7. 201902	1	2+ 2,1,3	2	2,3 4F	0
8. 8970-P	5	5	5	5	5

	63-T-9	63A11	63A8	63A9	63A10
1. Zenith	—	0	0	0	0
2. Calow	4	5	4	4F	5
3. Loc	1,2	2 1,4	2 4F	0	2 1,4
4. 8970-S	5	5	5	5	5
5. 5309	0	0	0	0	0
6. 180061	2	0	0	0	0
7. 201902	—	0	0	0	2
8. 8970-P	5	5	5	4F	5

63A11	63A20	63A28	63A42	63A51	63A5?
0	[0]	[1]	1	0	4
4	4	4	4	0	0
2	4	4	2	0	0
5	5	5	5	0	5
0	0	0	0	0	0
0	1,2	1	0	0	2 7n 4
4	2,4	0	3	0	0
5	5	5	4	0	0 1 5 0

63A13	63A14	63A18	63A19
		0	0
0	0		
4	5	4	4
1,2	4	2	1,2
5	5	5	5
	0	0	0
0	0	0	0
0	1,2	0	0
4	4	5	5

Test 157.

	P02	5943	63-L-22
1. Zenith	0	4	4
2. Calrose	3,4?	0	0
3. Loc	4	2	1
4. 8970-S	2	5	5
5. 5309	0	0	0
6. 180061	2	2,3 4F	2,3,4
7. 201902	0	2	1
8. 8990-P	2	0	0
9. Rex.	0	4?	4
J-1. PI 280682. To-Top	0	0	0
J2 PI 280681. Tachiaka	0	0	0
J-3 PI 280683 Usen	0	0	2
J-4 PI-280674 Chocoto	0	0	0
J5 PI-280684. Yamato	0	0	0
J6 PI-280678. KANTO-51	0	0	0
J-7 PI-282402 Ishikari Shiroke	2	2	0
J-8 PI-280676 - Homare-Nishiki	2	1.	2,3
J-9 PI-282401 - Ginga	2	2	3
J-10 PI-280680 - NORIN-22	2	0	4?
~~J-11~~ PI-282400 - Akebi - Asahi	✓	0	4

45-7

D-45-3	D-1	D431	POS	62 F1	61-64	62L-D	63 L-4
4	2	0	0	0	1	2+	—
4	4	0	↓	4	4	4	4
4	2	0		3,4	4F	4	4
4	5	4		4	4	5	5
3+	0	0		2	0	0	1
4	1	0		3	4E	1	1
1	1	0		2	4E	1	1
0	5	0		4	4	4	5
4	4	2,3 4F		0	4	4	4
0	1	0		0	0	0	0
0	0	0		0	0	0	1
0	2 1n.4	0		0	2,3	4	2
2,3F	0	0		0	0	0	0
0	0	0		2	0	0	0
4	0	0		3,4F	0	0	0
4F	3	0		3+ 4	4	4	4
0	0	0 ✓		1	0	3,3	2
0 2	2 4F	1 ✓		0	2	2	2
0	4F	0 ✓		0	0	0	3
0	0	0 ✓		0	2	4	4

Test 157, Cont.

	Po 2	59L13	63L22
J-12 PI-282403 - Norin-#20	2	0	4F
J-13 PI-281786 - Norin 1, G5289	2	0	0
J-14 PI-28163 - Norin 11	2	4F	4
J-15 PI-281787 - Norin-17	4	0	0

0453	0.1	0431	POS	G2F1	G1L4	G3 L45	G3 L48
0	4E	0	~	0	0	4	4
02	0	0		0	2	2	[0
0	4F	0		4	4	[4]	4
0	0	0		0	0	2	4

Test. no. 158. R – 8

(Loc x Z-N) x S lt. 9 ac. Pass 6+16 Sg – 243

F3 line from John. S – 89

	R	S			R	S	
6211 - 1	14	0	R	21	8	2	Sg
2	3	6	Sg	22	12	2	Sg
3	13	2	Sg	23	13	0	R
4	7	6	Sg	24	0	19	S
5	12	0	R	25	1	12	S
6	8	7	Sg	26	10	2	Sg
7	11	4	Sg	27	12	0	R
8	6	9	Sg	28	10	1	Sg
9	6	7	Sg	29	4	7	Sg
10	10	1	Sg	30	7	8	Sg
11	10	1	Sg	31	14	0	R
12	0	14	S	32	6	0	R
13	1	5	S	33	8	4	Sg
14	12	0	R	34	0	12	S
15	13	0	R	35	11	7	Sg
16	5	6	Sg	36	0	19	S
17	2	19	Sg	37	0	8	S
18	6	8	Sg	38	0	13	S
19	8	3	Sg	39	1	8	S
20	12	2	Sg	40	11	11	Sg

R - 8

Sg - 21

S - 11

	R	S			R	S	
11-41	0	17	S	61	4	8	Sg
42	15	8	Sg	62	2	11	Sg
43	1	19	S	63	0	17	S
44	1	14	S	64	4	8	Sg
45	12	0	R	65	12	5	Sg
46	6	7	Sg	66	0	10	S
47	10	5	Sg	67	1	18	S
48	9	3	Sg	68	5	9	Sg
49	0	15	S	69	2	12	Sg
50	0	28	S	70	3	15	Sg
51	15	0	R	71	13	4	Sg
52	13	3	Sg	72	0	18	S
53	4	2	Sg	73	18	0	R
54	1	8	S	74	13	4	Sg
55	19	0	R	75	15	0	R
56	1	16	S	76	20	0	R
57	3	11	Sg	77	11	2	Sg
58	13	0	R	78	12	2	Sg
59	16	0	R	79	13	3	Sg
60	13	3	Sg	80	14	3	Sg

Test # 168 Cont
$(\Sigma QC \times Z \cdot N) \times S\,61.$

R - 11
Sg - 18
S - 11

	R	S		R	S	
6211- 81	0	13	S 101	6	6	Sg
82	1	11	S 102	6	7	Sg
83	0	19	S 103	9	2	Sg
84	5	7	Sg 104	17	0	R
85	0	17	S 105	17	0	R
86	1	13	S 106	11	4	Sg
87	16	0	R 107	9	4	Sg
88	9	14	Sg 108	14	0	R
89	0	8	S 109	14	0	R
90	7	1	Sg 110	13	0	R
91	0	13	S 111	20	0	R
92	1	14	S 112	0	10	S
93	7	10	Sg 113	6	10	Sg
94	10	6	Sg 114	8	5	Sg
95	5	8	Sg 115	5	7	Sg
96	1	11	S 116	18	0	R
97	18	0	R 117	20	2	Sg
98	12	0	R 118	6	6	Sg
99	11	0	R 119	0	18	S
100	13	4	Sg 120	16	4	Sg

R - 15
Sg - 22
S - 3

	R	S			R	S	
624-121	8	8	Sg	141	3	11	Sg
122	9	2	Sg	142	16	0	R
123	11	1	S	143	11	3	Sg
124	14	0	R	144	9	1	Sg
125	8	4	Sg	145	14	0	R
126	13	0	R	146	9	1	Sg
127	15	0	R	147	6	7	Sg
128	14	2	Sg	148	12	4	Sg
129	16	4	Sg	149	14	0	R
130	12	2	Sg	150	14	2	Sg
131	16	0	R	151	14	2	Sg
132	5	7	Sg	152	11	4	Sg
133	1	11	S	153	17	0	R
134	11	0	R	154	12	4	Sg
135	14	0	R	155	0	12	S
136	16	5	Sg	156	13	3	Sg
137	15	0	R	157	14	2	Sg
138	15	0	R	158	5	12	Sg
139	18	0	R	159	8	8	Sg
140	17	0	R	160	17	0	R

Test # 158 Run 1. R-14
Sg-24
S-2

	R	S			R	S	
4211- 161	9	7	Sg	181	15	3	Sg
162	3	13	Sg	182	8	10	Sg
163	9	3	Sg	183	20	0	R
164	1	14	S	184	20	0	R
165	13	0	R	185	11	9	Sg
166	11	0	R	186	9	6	Sg
167	5	6	Sg	187	14	1	Sg
168	12	8	Sg	188	10	3	Sg
169	17	0	R	189	17	0	R
170	17	0	R	190	21	0	R
171	0	12	S	191	7	11	Sg
172	17	0	R	192	7	6	Sg
173	8	0	R	193	11	4	Sg
174	8	0	R	194	7	12	Sg
175	15	2	Sg	195	22	0	R
176	13	0	R	196	18	4	Sg
177	12	7	Sg	197	12	6	Sg
178	17	7	Sg	198	10	3	Sg
179	15	4	Sg	199	15	0	R
180	18	2	Sg	200	9	9	Sg

R - 3
Sg - 15
S - 2

	R	S			R	S	
6211-201	12	6	Sg	221	0	10	CI 8989
202	10	8	Sg	222	14	1	CI 9460
203	14	1	Sg	223			
204	6	9	Sg	204			
205	18	1	Sg	205			
206	20	0	R	206			
207	0	20	S	207	0	20	
208	18	2	Sg	208			
209	16	6	Sg	209			
210	17	0	R	210			
211	11	5	Sg	211			
212	17	7	Sg	212			
213	0	11	S	213			
214	12	4	Sg	214			
215	18	1	Sg	215			
216	19	0	R	216			
217	17	3	Sg	217			
218	12	4	Sg	218			
219	15	4	Sg	219			
220	13	5	Sg	220			

Test # 158 cont. R-5

Sag - 27
S - 8

	R	S			R	S	
6211. 221	22	0	R	241	3	19	Sg
222	15	0	R	242	1	15	S
223	10	3	Sg	243	10	5	Sg
224	8	3	Sg	244	1	22	S
225	15	0	R	245	17	0	R
226	10	7	Sg	246	3	10	Sg
227	12	3	Sg	247	12	9	Sg
228	6	9	Sg	248	9	11	Sg
229	15	4	Sg	249	16	5	Sg
230	17	5	Sg	250	9	6	Sg
231	5	6	Sg	251	12	6	Sg
232	0	16	S	252	12	9	Sg
233	4	7	Sg	253	9	6	Sg
234	12	4	Sg	254	12	3	Sg
235	8	8	Sg	255	10	9	Sg
236	1	9	S	256	10	6	Sg
237	0	17	S	257	10	2	Sg
238	14	4	Sg	258	0	16	S
239	1	19	S	259	17	0	R
240	0	13	S	260	10	5	Sg

R - 7
Sg - 22
S - 11

	R	S			R	S	
6211-261	15	2	Sg	281	0	16	S
262	0	17	S	282	14	7	Sg
263	4	6	Sg	283	7	10	Sg
264	18	0	R	284	1	19	S
265	16	0	R	285	17	0	R
266	15	2	Sg	286	5	12	Sg
267	3	18	Sg	287	10	7	Sg
268	11	6	Sg	288	15	3	Sg
269	17	2	Sg	289	20	0	R
270	18	0	R	290	17	3	Sg
271	0	20	S	291	0	15	S
272	0	15	S	292	14	3	Sg
273	0	14	S	293	19	0	R
274	0	21	S	294	12	6	Sg
275	0	17	S	295	21	0	R
276	0	19	S	296	7	11	Sg
277	9	11	Sg	297	1	16	S
278	8	9	Sg	298	12	8	Sg
279	10	14	Sg	299	5	16	Sg
280	3	12	Sg	300	14	2	Sg

Test #158, Cont. R — 1

seg — 13

S = 4

	R	S	
211-301	12	2	Sg
302	4	8	Sg
303	12	3	Sg
304	13	7	Sg
305	1	19	S
306	1	18	S
307	1	14	S
308	4	0	R
309	2	18	Sg
310	14	3	Sg
311	12	4	Sg
312	10	8	Sg
313	3	12	Sg
314	3	19	Sg
315	8	7	Sg
316	6	10	Sg
317	9	7	Sg
318	0	19	S

Test No. 15·9
6202, SS Neto X(R-2 X 260 - mag)

R = 1
Seg - 23
S - 16

	R	S			R	S	
202.- 1	0	14	S	6202- 21	12	2	Seg
2	0	11	S	22	4	12	Seg
3	4	11	Seg	23	7	3	Seg
4	8	6	Seg	24	2	15	Seg
5	0	13	S	25	5	12	Seg
6	11	8	Seg	26	1	8	Seg
7	0	15	S	27	4	13	Seg
8	9	4	Seg	28	0	14	S
9	9	5	Seg	29	0	20	S
10	0	19	S	30	5	17	Seg
11	5	12	Seg	31	7	15	Seg
12	2	11	Seg	32	8	12	Seg
13	6	4	Seg	33	7	2	Seg
14	9	4	Seg	34	3	4	Seg
15	0	16	S	35	1	3	Seg
16	11	9	Seg	36	1	4	Seg
17	17	0	R	37	1	9	Seg
18	7	12	Seg	38	4	1	Seg
19	9	8	Seg	39	0	11	S
20	0	16	S	40	0	12	S

R - 0
Sg - 14
S - 26

	R	S			R	S	
6202-41	1	10	Sg 6202	61	0	18	S
42	1	16	Sg	62	0	16	S
43	0	8	S	63	1	17	Sg
44	5	7	Sg	64	0	21	Sg
45	0	20	S	65	2	13	Sg
46	0	13	S	66	0	13	S
47	6	9	Sg	67	0	10	S
48	0	15	S	68	0	19	S
49	13	3	Sg	69	0	16	S
50	1	12	Sg	70	0	29	S
51	0	14	S	71	0	17	S
52	1	17	Sg	72	7	13	Sg
53	1	11	Sg	73	0	17	S
54	4	7	Sg	74	0	10	S
55	4	10	Sg	75	0	14	S
56	3	14	Sg	76	4	12	Sg
57	4	8	Sg	77	10	6	Sg
58	0	15	S	78	2	12	Sg
59	3	10	Sg	79	15	4	Sg
60	1	12	Sg	80	0	14	S

R - 0
Sag 14
S - 24

	R	S			R	S	
81	0	22	S	101	9	13	S
82	0	14	S	102	5	10	Sag
83	0	17	S	103	4	14	Sag
84	6	12	Sag	104	0	15	S
85	1	15	Sag	105	0	13	S
86	7	9	Sag	106	0	12	S
87	0	15	S	107	0	16	S
88	0	16	S	108	0	18	S
89	5	12	Sag	109	3	10	Sag
90	1	17	Sag	110	0	14	S
91	4	16	Sag	111	0	19	S
92	0	15	S	112	0	15	S
93	4	12	Sag	113	14	0	R
94	0	17	S	114	0	16	S
95	5	10	Sag	115	0	12	S
96	2	16	S	116	5	6	Sag
97	0	13	S	117	3	16	Sag
98	14	4	Sag	118	0	19	S
99	0	14	S	119	8	6	Sag
100	0	11	S	120	1	16	Sag

6202

R—1

Sag—13

S—26

	R	S			R	S	
6202-121	0	16	S	6202-141	0	21	S
122	1	10	Sag	142	0	16	S
123	0	19	S	143	0	19	S
124	3	14	Sag	144	1	20	Sag
125	3	11	Sag	145	0	22	S
126	0	23	S	146	13	0	Sag R
127	1	22	Sag	147	2	16	Sag
128	0	19	S	148	18	4	Sag
129	1	22	Sag	149	0	20	S
130	0	10	S	150	0	21	S
131	5	11	Sag	151	0	17	S
132	5	7	Sag	152	12	7	Sag
133	0	13	S	153	1	17	Sag
134	0	19	S	154	0	12	S
135	0	14	S	155	1	17	Sag
136	9	5	Sag	156	2	12	Sag
137	0	19	S	157	20	0	R
138	0	18	S	158	1	9	Sag
139	4	9	Sag	159	0	17	S
140	4	5	Sag	160	18	6	Sag

R - 2
Sg - 18
S - 20

	R	S	
161	0	17	S
162	0	9	S
163	0	16	S
164	0	15	S
165	2	14	Sg
166	0	18	S
167	1	13	Sg
168	0	17	S
169	0	15	S
170	0	11	S
171	2	8	Sg
172	7	11	Sg
173	0	12	S
174	3	11	Sg
175	3	8	Sg
176	0	14	S
177	0	14	S
178	4	10	Sg
179	3	11	Sg
180	4	17	Sg
181	7	7	Sg
182	8	6	Sg
183	0	12	S
184	5	7	Sg
185	5	14	Sg
186	8	4	Sg
187	0	17	S
188	8	12	Sg
189	0	16	S
190	5	11	Sg
191	0	19	S
192	0	14	S
193	13	0	R
194	0	11	S
195	10	7	Sg
196	1	14	Sg
197	16	0	R
198	0	12	S
199	4	11	Sg
200	4	10	Sg

R - 3
Sg - 24
S - 13

	R	S			R	S	
202-201	12	3	Sg	221	11	5	Sg
202	8	14	Sg	222	3	10	Sg
203	1	16	Sg	223	8	11	Sg
204	0	17	S	224	0	16	S
205	1	17	Sg	225	13	9	Sg
206	11	7	Sg	226	15	0	R
207	0	21	S	227	14	15	Sg
208	0	24	S	228	19	20	~~Sg~~ R
209	12	5	Sg	229	1	5	Sg
210	10	6	Sg	230	9	0	R
211	5	13	Sg	231	13	0	R
212	0	17	S	232	0	13	S
213	0	20	S	233	0	16	S
214	11	3	Sg	234	5	2	Sg
215	3	12	Sg	235	13	0	~~Sg~~ R
216	12	10	Sg	236	3	12	Sg
217	2	12	Sg	237	12	0	~~Sg~~ R
218	0	15	S	238	11	10	Sg
219	7	3	Sg	239	7	8	Sg
220	0	13	S	240	9	11	Sg

R - 1

Sg. 23

S - 16

	R	S			R	S	
241	1	15	Sg	261	7	13	Sg
242	9	4	Sg	262	20	0	R
243	8	8	Sg	263	6	14	Sg
244	4	18	Sg	264	18	4	Sg
245	16	0	Sg R	265	2	12	Sg
246	0	18	S	266	0	17	S
247	5	13	Sg	267	10	3	Sg
248	0	12	S	268	5	7	Sg
249	0	18	S	269	0	18	S
250	0	20	S	270	0	19	S
251	1	15	Sg	271	9	3	Sg
252	0	23	S	272	1	15	Sg
253	11	7	Sg	273	1	15	Sg Sg
254	0	10	S	274	16	7	Sg
255	4	8	Sg	275	12	7	Sg
256	15	5	Sg	276	0	26	S
257	9	8	Sg	277	13	7	Sg
258	6	9	Sg	278	7	6	Sg
259	0	14	S	279	12	6	Sg
260	1	15	Sg	280	0	19	S

R - 1
Sz - 4
S - 4

	R	S		
6202-281	0	16	S	1
282	14	5	Sz	
283	15	0	R	
284	3	15	Sz	
285	0	15	S	
286	0	20	S	
287	0	18	S	
288	6	18	Sz	
289	2	16	Sz	
~~290~~				
R-2Y250-	M	14	0	
~~291~~				
SS Nate				
~~292~~	0	23		
SS Nate				
293	0	17		
~~294~~	Retw			
295	1	R-	15	18
296	8	Sz-	158	144
297	7	S-	116	126
298				
299				
300				

Test No. 160.

F_3 line, Tobacco X Stg. 59425-2

	R	S		R	S
04-1	15	0	21	13	3
2	18	0	22	17	0
3	11	3	23	10	11
4	6	11	24	9	0
5	17	0	25	10	4
6	13	0	26	1	9
7	13	0	27	5	9
8	11	0	28	5	10
9	17	0	29	12	1
10	2	17	30	15	2
11	13	2	31	11	2
12	11	5	32	19	0
13	1	9	33	14	0
14	13	1	34	17	0
15	17	0	35	14	3
16	15	1	36	14	4
17	14	0	37	4	12
18	16	0	38	12	0
19	13	0	39	13	0
20	12	0	40	1	10

	R	S
6204-41	5	8
42	11	0
43	13	0
44	9	0
45	8	2
46	5	5
47	0	10
48	4	4
49	0	10
50	0	10
51	0	10
52	6	4
53	0	8
54	0	10
55	9	0
56	10	1
57	6	4
58	4	0
59	8	3
60	9	1

	R	S
6204-61	5	0
62	10	0
63	7	3
64	10	0
65	10	0
66	7	0
67	10	0
68	9	1
69	0	10
70	11	6
71	7	0
72	4	2
73	11	0
74	8	2
75	4	0
76	0	10
77	6	4
78	8	2
79	0	10
80	6	4

Test #160 Cont.

Tool - C554 x 5/8. 59 1925 - 2

	R	S		R	S
6204- 81	10	0	6204-101	5	0
82	2	7	102	10	0
83	11	1	103	9	1
84	6	4	104	7	3
85	7	3	105	9	0
86	7	3	106	5	5
87	10	0	107	7	3
88	1	9	108	8	2
89	5	5	109	8	2
90	10	0	110	8	0
91	8	2	111	9	0
92	0	10	112	10	0
93	0	10	113	6	4
94	9	1	114	1	9
95	0	10	115	11	0
96	2	0	116	10	0
97	0	10	117	10	0
98	8	0	118	10	0
99	8	2	119	10	0
100	6	4	120	10	0

Test No. 160, Cont.

	R	S		R	S
6204-121	9	1	141	10	0
122	7	2	142	6	0
123	1	9	143	10	0
124	8	2	144	10	0
125	10	0	145	9	1
126	5	5	146	9	1
127	10	0	147	10	0
128	7	3	148	9	1
129	6	4	149	4	1
130	10	0	150	8	2
131	10	0	151	9	1
132	8	2	152	7	3
133	10	0	153	5	5
134	10	0	154	8	2
135	10	0	155	7	3
136	10	0	156	10	0
137	9	0	157	10	0
138	9	0	158	7	3
139	10	0	159	4	4
140	8	2	160	10	0

	R	S
161	8	2
162	10	0
163	1	9
164	2	7
165	9	0
166	10	0
169	10	0
168	8	2
169	8	2
190	10	0
171	10	0
172	6	4
173	0	10
174	7	2
175	10	0
176	7	3
177	10	0
178	2	8
179	7	2
180	7	3

	R	S
181	6	4
182	10	0
183	10	0
184	8	2
185	10	0
186	2	7
187	0	9
188	8	2
189	3	7
190	8	2
191	7	3
192	6	4
193	3	2
194	5	4
195	6	3
196	5	5
197	0	10
198	9	1
199	10	0
200	10	0

Test No. 160, Cont

	R	S		R	S
1204-201	9	1	221		
202	8	2	222		
203	7	3	223		
204	5	5	224		
205			225		
206			226		
207			227		
208			228		
209			229		
210			230		
211			231		
212			232		
213			233		
214			234		
215			235		
216			236		
217			237		
218			238		
219			239		
220			240		

	R	S
204 241		
242		
243		
244		
245		
246		
247		
248		
249		
250		
251		
252		
253		
254		
255		
256		
257		
258		
259		
260		

	R	S
261		
262		
263		
264		
265		

Test No. 161

	P04	Rec 4 D433	Rec 2 D-6	Rec 14 D445	42F1
Zenith	0			0	0
Calora	4 Fe+	0	0	+	+
Loc	0			+	+
8970-S	0			+	+
5309	0			+	+
180061	0			+	
201902	0			−	
8970-P	0			+	+
	Poor			Poor	Poor

	P07	P08	D-59	6342	63A15
Zenith	+	0			
Calora	+	+	0		
Loc	+	+	+		
8970-S	+	+	+		
5309	+	+	+		
180061	+	+			
201902	−	0			
8970-P	+	+	+		
	Poor	Poor	Poor		

3L22	59L13	P07AR	D45 3(A) (P	63L13	873
10/14					
4	5	4	4	0	0
0	0	4	5	5	4
0	0	4	4	4	4 (t→1)
4	5	4	5	5	4
0	0	4	4	0	0
4	4	4	4	0	0
0	1,2	0	0	0	0
0	0/5 1511	4	5	5	4
od.	good	light	good	good	
1L4	40-59	P05	P04RR		
0	0	0	0		
4	0	0	4		
0	1→4	0	0		
4	3	4	0		
0	t→4	0	0		
4	0	6	0		
0	0	0	0		
4	0	t→4	0		
ght	poor	OK	fair?		

Test No. 162

c1963-6205. Too-c554 x Stg. 5-9-1925-2

	R	S		R	S
6205-1			21		
2			22		
3			23		
4			24		
5			25		
6			26		
7			27		
8			28		
9			29		
10			30		
11			31		
12			32		
13			33		
14			34		
15			35		
16			36		
17			37		
18			38		
19			39		
20			40		

	R	S		R	S
2005 41			61		
42			62		
43			63		
44			64		
45			65		
46			66		
47			67		
48			68		
49			69		
50			70		
51			71		
52			72		
53			73		
54			74		
55			75		
56			76		
57			77		
58			78		
59			79		
60			80		

Test No. 162, Cont.

	R	S	
4205-81			101
82			102
83			103
84			104
85			105
86			106
87			107
88			108
89			109
90			110
91			111
92			112
93			113
94			114
95			115
96			116
97			117
98			118
99			119
100			120

	R	S		
205-	121			141
	122			142
	123			143
	124			144
	125			145
	126			146
	127			147
	128			148
	129			149
	130			150
	131			151
	132			152
	133			153
	134			154
	135			155
	136			156
	137			157
	138			158
	139			159
	140			160

Test No. 162 Cont.

	R	S		R	S
6205-161			181		
162			182		
163			183		
164			184		
165			185		
166			186		
167			187		
168			188		
169			189		
170			190		
171			191		
172			192		
173			193		
174			194		
175			195		
176			196		
177			197		
178			198		
179			199		
180			200		

	B	S		B	S
205	201		221		
	202		222		
	203		223		
	204		224		
	205		225		
	206		226		
	207		227		
	208		228		
	209		229		
	210		230		
	211		231		
	212		232		
	213		233		
	214		234		
	215		235		
	216		236		
	217		237		
	218				
	219				
	220				

Test No. 163

	Rec 1 59213		Rec 7 20-453
	5/26		
1. Zenith	4	4	4
2. Colora	0	0	4
3. Loc	0	0	4
4. 8970-S	4	4	4
5. ~~8399~~	0	0	4
6. 180061	4	4	4
7. 201902	0	0	0
8. 8970-P	0	0	4
9. Ref.	[0]	–	4
11. Tet op	0	1,2	0
12 Tadeplan	0	1	0
13 Uzon	0	21	2
14. Cholato	0	0	3
15 Yakiho	0	0	4
16 Kato-51	0	0	4
17. Ochikai-shi	0	2	2
18 Honae mishiki	4F	1	0
19 Benizara	4F	4F	0
20. Nomi 22	4	0	0

	Pac 1 S-94-13		Pac 7 D-453
	5/26		Pac 1
J-11 a-chi-ca-chi	4	4	4
J-12 Nomi 20	4	3	0
J-13. Nomi 1	4	0	0
J-14 Nomi 11	0	0	0
J-15. Nomi 17	0	0	0
C. 1 275428 Taichung 66	0	0	
C-2 277241 Taichung 171	0	0	
C-3 275425 Chianung yu No. 280	0	0	
4. 275423 Chianung yu No 242	0	0	
5. 282942 Kwang fu No. 1	0	0	
6. 282945 Pai-kan-tao	0	0	
7 282947 Taichung line 33	0	0	
8 282940 Kao-Chia-lin-chou	4	4	
9 279141 Kaochung-ta-li-Chen-yu	0	—	
10 282948 Taichung Jichis-ve-chia	0	0	
11 282939 Cuatulgulaule	0	0	
12 282943 Natala	0	0	
13 282939 Kanta No 51	0	0	
14 282944 Nung line No 31	0	0	
15 224900 Senaho	2	3	
16. 282941 Kung-shen-ve-chen-tao	4	4	

Test # 164

	Real 5943		D-453 Real	
	5/26			7/6
1. 8970-S	4	4	4	4
2. 8970-P	0	0/4	4	4
3. 7787	4	4	4	4
4. 1561-1	0	0	4	4
5. 8985	0/4 ISO	1	4	4
6. 5309	0	0	4	4
7. 180061	4	4	4	4
8. 201902	0	0	0	1
9. 8993	4	4	4	4
10. 8990	[3]	2,4	0	4
11. 1344	[0]	4	0	4
12. 9540	0	2	4	4
13. 274740	4	4	0	4
14. R-Z #8 x Lac. cf 9593	0	0 ✓	4	4 ✓
15. R-Z #8 x Lac.	0	0	4	4
16. R-Z x 250-Mag	4	4	4	4
17. R-Z x 250-Mag	4	4	4	4
18. R-Z x 250-Mag cf 9482	4	4 ✓	4	4 ✓
19. Nato x 250-Mag	0	0	4	4
20. R-Z #8 x Nato	4	4	4	4

Page 6	Pg 2
~~12-13~~	13/
9/2	0
4	0
4	Tr 3
0	0
4	4
3,3,4	2, 3 T, 4
0	0
2	1
1	1
—	0
4	0
4	2
2	1
4	0
2 ✓	0
0	0
2	0
2	0
0 ✓	0
3	0
4	2

Test # 164, cont.

		Rec 1 59413 5/26		D-453 Rec 7	7/6
21. Sbt. x Rec. 13-RB		2	2	3	3
22. CI 6008 x Rec. 13	CI 9597	4	3 ✓	2	2 ✓
23 (Cent. x R-Z) x Bbt. 50	CI 9596	4	2 ✓	0	1 ✓
24. 260659		4	4	0	1
25. 2702		2	2	0	1~4
26. Rex. x Bozo		2?	2?	3?	3
27. 276154, Milbrae No. 3		0	4?	2	2
28. R-Z x RR		4	2	4	4
29. RR x 250-Mag		4	2	2	2
30. df TP-Unk x Bbt. 50	CI 9551	1	1 ✓	0	2 ✓
31. 275451. H-4		1	1	0	2
32. Bbt. 50/4 x Dulfrese		4	0	2	3
33. Bbt. 50/4 x Dulfrese		[0]	1	2	2
34. Bbt. 50/4 x Dulfrese		—	2	2	2
35. Bbt. 50/4 x Dulfrese		—	2	1~4	2
36 Bbt. 50/4 x Dulfrese		—	2	1~4	4
37. Bbt. 50/4 x Dulfrese		4	—	2	4
38. Bbt. 50/4 x Dulfrese		[0]	—	2	4
39. Bbt. 50/4 x Dulfrese		—	2	2	4
40. Bbt. 50/4 x Dulfrese		[0]	2	2	4

R6a4	
~~622~~3	P62
	12/
4	2F
2 ✓	0
4 ✓	0
0	0
4	0
2+	
4	[0]
	11/
0	0
2	0
2	0
4 ✓	[0]
34°)	11/
0	0
4	0
4	0
4	0
4	0
4	1
4	0
4	0
4	0
4	0

Test # 164, cont.

	Rep 6		Rep 7	
	59413		10.453	
	5/26			7/6
41. Bbt. 50/4 x Sulfrose	2	2	2	4
42. Bbt. 50/4 x Sulfrose	0	2	1/4	4
43. Bbt. 50/2 x Sulfrose. CI 9575	0	2✓	3	4✓
44 Bbt. 50/2 x Sulfrose. CI 9576	—	4✓	2	4✓
45. PI 215936 x (CP 231 x CI 9122)	4	4	4	4
46. PI 215936 x CI 9214, CI 9607	—	2✓	3	4✓
47. PI 215936 x CI 9214	—	2	3	4
48. PI 215936 x CI 9214	0	1	2	4
49. PI 215936 x CI 9214, CI 9605	2✓	[2]	4	4✓
50. PI 215936 x CI 9214	4	2	3	2
51. PI 215936 x CI 9214	4	4	4	2
52. (CP 231/3 x Bbt.)$_2$ x PI 215936	0	4	2	2
53. Bbt. 50 x Jojutla	4	4	2	2
54. B593A11-7-3	2	4?,	0	2
55. B593A18-19-3	3	2	[3]	2
56. PI 215936 x CI 9214. CI 9549	2	4✓	4	2✓
57. PI 215936 x CI 9214. PI 9571	4	4✓	2	4✓
58. CI 9214 x (CP 231 x CI 9122). CI 9544	3✓	2	3	3✓
59. RD-Sadri x Lac.-C253	—	4	4	4
60. RD-Sadri x Lac.-C253	4	4	3	4

Pack 6

62A3	Poz
4	0
4	0
3 ✓	0
3 ✓	0
4	24
4	0
4	2
4	[0]
4 ✓	1
	3
4	2
4	0
4	0
4	2,3
4	0
4	0
4 ✓	2
4 ✓	2,3
	to 4
4 ✓	0
0	0
0	0

Test 164 cont'd

	Age 1 5/13		Age 7 D-453	
61. RD-Sadri x Lac.-C253	[0]	2	2	4
62. RD-Sadri x Lac.-C253	4	4	2	4
63 RD-Sadri x Lac.-C253	3	4	2	4
64. RD-Sadri x Lac.-C253	4	4	2	4
65. RD-Sadri x Lac.-C253	[0]	4	2	4
66. RD-Sadri x Lac.-C253	3	4	3	4
67. RD-Sadri x Lac.-C253	—	4	1	4
68. B581A6-576-1-1, CI 9568	—	4✓	1	4✓
69. CP 231 x H012 . CI 9534	0	2	2	2✓
70. PI 215936 x CI 9214 . CI 9570	0	3✓	3	4✓
71. Bbt. 50/2 x Dulfrost, CI 9572	—	4✓	2	3✓
72. Bbt. 50/2 x Dulfrost. CI 9574	—	4✓	2	2✓
73. Bbt. 50/2 x Dulfrost	4	4	3	2
74. PI 215936 x CI 9214 . CI 9607	4	2✓	2	2✓
75. PI 215936 x CI 9214	4F	4F	2	2
76. PI 215936 x CI 9214	4	3	3	2
77. B571A2-21-10	4	5	4	4
78 (CP 231/3 x Bbt.) x PI 215936	3	3	1~4	2
79. Nova, CI 9459	0	0	4	4
80. Lac. x Zen.-Nina, CI 9481	0	0✓	4	4✓

Pg 6

~~A2~~ A3	Pg2
	13/16
0	0
0	0
0	0
0	0
0	0
0	0
0	0
4 ✓	0
0 ✓	0
4 ✓	[4] 10
4	0
2 ✓	0
0	0
4 ✓	0
4	0
4	0
4	0
4	3F
3F	0
4 ✓	3F

Test # 164 cont.

	Rep 1 5913 5/26		Rep 2 D-453	
81. Lac.-S426A x Zenith. CI 9554	0	0 ✓	3	4 ✓
82. Lac.-S426A x Zenith	0	0	4	4
83 Lac.-S426A x Zenith, CI 9579	4	4 ✓	4	4 ✓
84. CI 9357 x Zenith	—	4	0	4
85. CP 231 x Zenith	4	4	2	4
86. CI 9209 Sel.-CI 9187 x Nato	4	4	0	4
87. Nato roque	4	4	0	4
88. Nova x Nato	0	—	4	4
89. Nova x Arkrose. CI 9578	0	0 ✓	4	4 ✓
90. Nova x Arkrose	0	0	4	4
91. CI 9509 x Arkrose. CI 9592	0	0 ✓	4	4 ✓
92. Lac. x Caloro/2. CI 9494	0	0 ✓	4	4 ✓
93 Lac. x Calora/3. CI 9587	4	4 ✓	3	4 ✓
94. BBT. x PI 184675	4	4	3	4
95. BBT./2 x PI 184675	0	0	3	4
96. BBT./2 x PI 184675	4	4	3	4
97. BBT./2 x PI 184675	[0]	4	2	4
98. BBT. x PI 184675 x Outcross	4	4	2	4
99. BBT. x PI 184675 x Outcross	—	4	2	4
100. BBT x PI 184675 x Outcross	2	2	2	4

Pag 6

2	0
1	0
3	0
2	0
0	0
4	2,3
2	0
3	0
2	1,2
2	0
1	0
3,4	0
0	0
1	0
1	0
1	0
1	0
2	0
2	0
2	0

	Rock L 5913 5/26		Rock 7 10-453	
101. CI 9453 x Blt. 50	—	1	4	4
102. CI 9453 x Blt. 50	0	1	4	4
103. CI 9453 x Blt. 50	0	0	2	4
104. CI 9453 x Blt. 50	0	0	2	4
105. CI 9453-Blt. 50 x CI 9187	0	4	4	3
106. CI. 9453-Blt. 50 x CI 9187	3	4	4	4
107. CI 9453-CI 9187 x Blt. 50	3	4	2	4
108. CI 9453-CI 9187 x Blt. 50	2	2	2	4
109. CI 9453-Blt. 50 x CI 9187	3	4	2	4
110. CI 9453 x CI 9187. CI 9581	0	1	2	4
111. CI 9453 x CI 9187	0	1	4	4
112. CI 9453 x CI 9187	0/4	1	4	4
113. CI 9453 x CI 9187	0/4	2	4	4
114. CI 9453 x CI 9187	0	0	4	4
115. CI 9453 x CI 9187	0	0	3	4
116. CI 9453 x CI 9187	0	0	3	4
117. CI 9453 x CI 9187	0	0	3	4
118. CI 9453 x CI 9187	0	0	4	4
119. CI 9453 x CI 9187	0	0	4	4
120. CP 231/2 x H012. CI 9601	0	0	2	3

Acc 6

~~6ZA3~~

1	0
4	0
4	0
3	0
3	0
3	0
1	3F
4	0
3	0
3	2,3
3	0
3	0
0	0
0	0
3	0
3	0
0	0
0	0
4	0
0	0

Test No. 165

	Loc. 6 J-6 9/21/64	5943 Rep 1 10/26
1. Calero CI 1561	4	0
2. Lac. x Calero/2 CI 9494	4	0
3. Lac. x Calero/3 CI 9559	4	0
4. Tainan-iku 487 PI 215936	3	3,4
5. Zenith CI 7787	0	5
6. Calrose CI 8988	5	0
7. Arkrose CI 8310	5	0
8. Bluebonnet CI 8322	—	4
9. BbT. 50 CI 8990	4	4
10. CP 231 (CK) CI 8993	4	4
11. BbT. x CP 231 CI 9402	4	4
12. " (Sel. fr. CI 9402)	—	4
13. CP 231 x BbT.	4	4
14. BbT. x CP 231	4	4
15. BbT. x CP 231	4	4
16. BbT. x PI 184675 Outcross	—	5
17. BbT. x PI 184675 Outcross	0	5
18. BbT. 50/2 x Bulfrose CI 9576	0	5
19. CI 9453 x BbT. 50	4	0
20. Belle Patna (CK)	4	4

		Rep 1
		1"/26
21. Arkrose x B&T. 50	4	0
22. Rosark · CI 8644	4	5
23. Northrose CI 9407	5	0
24. Nato CI 8998	4	0
25. Saturn CI 9540	0	0
26. Nova CI 9459	3	0
27. Lac. x Zen.-Nira CI 9481	4	0
28. Lac. x Zen.-Nira	3	0
29. Nova x Arkrose	0	0
30. CP 231 (CK) CI 8993	4	4
31. Nova x Arkrose	0	0
32. CI 9509 x Arkrose	0	0
33. Northrose x Zenith	0	0
34. CI 9357 x Zenith	—	4
35. Lac.-S426A x Zen. CI 9554	3	0
36. Lac.-S426A x Zen.	0	4
37. Vegold CI 9386	5	4
38. CI 9214 x CP231-CI 9122	5	4
39. CP 231 x H012 CI 9534	0	0
40. Sunbonnet (CK) CI 8989	4	4

		Rep 1 10/26
41. CP231 CI 8993	4	4
42. R-7689 x (TP x R-SBR) CI 9187	4	4
43. CI 9453 x CI 9187	4	0
44. Colusa CI 1600	5	0
45. Early Prolific CI 5883	4	5
46. Rexo.-Zen. "P" x Lac.	0	0
47. Vulfrose x Lacrosse	0	0
48. Rexo.-Zen. x-250-Mag.	-	4
49. Vulfrose x PI 215936	0	4
50. CP231 (CK) CI 8993	—	5
51. Vulfrose CI 9416	0	5
52. R-D x Rexo:Zen. CI 9483	4	5
53. CP 231/2 x HO12	0	0
54. L-M x CR	5	4
55. PI 215936 x CI 9214 CI9569	4	4
56. (Century x R-2) x BbT. 50	4	4
57. BbT. 50 x HO 10	0	0
58. CI 9453 x CI 9187 CI 9556	4	0
59. 4II-1-8 x Rexo.-252 CI 9418	[4]	4
60. Nova (CK) CI 9459	3	0

		Real
		10/26
61. PI 215936 x CI 9214	[4]	4
62. BbT. 50 x H010	0	0
63. PI 215936 x CI 9214	[4]	4
64. BbT. 50/2 x Bulfrose CI 9574	2	5
65. BbT. x CP231 (Sel. fr. 9402)	4	4
66. Fortuna CI 1344	4	4
67. Toro CI 9013	4	4
68. PI 215936 x CI 9214	[4]	4
69. BbT. 50/2 x Bulfrose CI 9576	0	4
70. CP 231 (CK) CI 8993	4	4
71. (DWF. TP x UNK.) x BbT. 50 CI 9551	4	4
72. Arkrose x BbT. 50 CI 9486	4	0
73. BbT. x CP 231	4	4
74. Lac. x Caloro/3	4	4
75. Lacrosse CI 8985	3,4	0
76. Lac. x Zen.-Nina CI 9460	1	0/4 1 Spl.
77. Imp. Blue Rose CI 2128	2	0/4
78. Arkrose x BbT. 50	4	0
79. PI 215936 x Lacrosse	4	4
80. BbT. x CP231 (CK) CI 9402	4	4

		Real 10/26
81. PI 215936 x CI 9402 CI 9564	—	4
82. Supreme Blue Rose CI 5793	4	4
83. Arkerose x BbT. 50	2	0
84. Lac. x Zen.-Nira CI 9459	0	0/2
85. Asahi CI 8312	4	4
86. CI 9214 x (CP 231 x CI 9122)	0	4
87. CI 9214 x CI 9383 CI 9488	0,2	4
88. Rxo.-Red x Unk. CI 9425-2	3	4
89. CI 9214 x CP 231-CI 9122 CI 9537	3	4
90. CP 231 (CK) CI 8993	4	4
91. CI 9214 x (CP 231 x CI 9122)	4	4
92. Rxo. -R-R-252 CI 9543	4	4
93 CI 6008 x Rec. 13	3	4
94. CI 9214 x CP 231 - CI 9122	3	4
95. Rxo. - Rx 250-Mag. CI 9553	4	0
96. Vegold Sel.	5	5
97. Hill Sel. x (TP x R-SBR)	4	4 (m)
98. CI 9509 x Arkerose	0	0
99. Arkerose x BbT. 50	4	0
100. Zenith (CK) CI 7787	0	4

		10/24
101. Ark. x BbT. 50	4	0
102. Ark x BbT. 50	4	0
103. Ark x BbT. 50	4	0
104. Ark. x BbT. 50	4	0
105. Ark. x BbT. 50	4	0
106. Ark. x BbT. 50	4	0
107. Ark x BbT. 50	4	0
108. Ark. x BbT. 50	4	0
109 Ark. x BbT. 50	4	4
110. CP 231 (CK) CI 8993	[4]	5
111. Ark. x BbT. 50	4	0
112. Ark. x BbT. 50	4	0
113. Ark x BbT. 50	4	0
114. Ark. x BbT. 50	4	0
115. Ark. x BbT. 50	4	0
116. Ark. x BbT. 50	[4]	0
117. Ark. x BbT. 50	4	0
118. Ark. x BbT. 50	4	0
119. Ark. x BbT. 50	4	0
120. Belle Patna (CK) CI 8433	[4]	4

		Rep 1 10/26
121. Ark. x BbT. 50	4	0
122. Ark. x BbT. 50	4	0
123. Ark. x BbT. 50	4	0
124. BbT. x CP 231	4	4
125. BbT. x CP 231	4	4
126. CP 231 x BbT.	4	4
127. CP 231 x BbT.	4	4
128. CI 9453 x BbT. 50	4	0
129. CI 9453 x BbT. 50	0	1 Sdl. 4
130. CP 231 (CK) CI 8993	4	5
131. BbT. x PI 184675	0	5
132. BbT. x PI 184675 Out.	0	5
133. BbT. x PI 184675 Out.	0	5
134. BbT. x PI 184675 Out.	0	4
135. BbT. x PI 184675 Out.	0	4
136. BbT. 50 x Rexoro	3	4
137. BbT. 50 x Rexoro	4	4
138. BbT. 50 x Rexoro	[3]	4
139. BbT. 50 x Rexoro	4	4
140. Sunbonnet (CK) CI 8989	4	4

		Rogl 10/26
1141. Bbt. 50 x Rxoro	—	4
1142. Bbt. 50 x Rxoro	—	4
1143. Bbt. 50 x Rxoro	4	4
1144. Bbt. 50 x Rxoro	4	4
1145. CI 9209 x CI 9187	3	4
1146. CI 9453 x CI 9187	4	0
1147. CI 9453 x CI 9187	0	0
1148. CI 9453 x CI 9187	4	0
1149. CI 9453 x CI 9187	0	4
1150. CP 231 (CK) CI 8993	4	4
1151. CI 9453 x CI 9187	0	4
1152. CI 9453 x CI 9187	4	0
1153. CI 9453 x CI 9187	0	0
1154 CI 9453 x CI 9187 (fr. Stg. 624202)	0	0
1155. CI 9453 x CI 9187 (fr. Stg. 604465)	0	0
1156. CI 9453 x CI 9187 (fr. Stg. 604485)	0	4
1157. CI 9453 x CI 9187 (fr. Stg. 604485)	0	4
1158. CI 9453 x CI 9187 (fr. Stg 604485)	0	4
1159. CI 9453 x CI 9187 (fr. Stg 604485)	0	4
1160. Nova (CK) CI 9459	3	0

			Rog 1 10/26
161. CI 9453 x CI 9187 (fr. Sq. 613609)	2		0
162. CI 9453 x CI 9187 (fr. Sq. 614710)	2		0
163. CI 9453 x CI 9187 Outcross	2		4
164. CI 9453 x CI 9187 x Bbt. 50	2		4
165. CI 9453 x CI 9187 x Bbt. 50	2		0
166. CI 9453-Bbt. 50 x CI 9187	4	✓	4
167. CI 9453 x Bbt. 50 (fr. Sq. 610601)	4		0
168. CP 231 x Bbt.	4		4
169. CP 231 x Bbt.	4		4
170. CP 231 (CK) CI 8993	4		4
171. Bbt. x CP 231 (Sel. fr. CI 9389)	4		4
172. CP 231 x PI 184812	2		4
173. CI 9209 Sel. x CI 9187	2		4
174. CI 9209 Sel. x CI 9187	2		4
175. CI 9209 Sel. x CI 9187	2		4
176. CI 9209 Sel. x CI 9187	2		4
177. CI 9209 Sel. x CI 9187 [2]	2		4
178. CI 9209 Sel. x CI 9187 (fr. 612544)	2		4
179. CI 9209 Sel. x CI 9187 [2] (fr. 612182)	2		4
180. Bbt. x CP 231 (CK) CI 9402	4		4

		Pea 1 10/26
181. CI 9209 Sel × CI 9187 (Pl. 612191)	2	4
182. CI 9209 Sel. × CI 9187 × Nato	2	4
183. Small Plant (Pl. 573278)	0	4
184. Bbt./2 × PI 184675	0	4
185. Bbt./2 × PI 184675	2	4
186. CI 9214 × CI 9383	2	4
187. CI 9214 × CI 9383	2	4
188. CI 9214 × CP 231-CI 9122	2	4
189. CI 9214 × CP 231-CI 9122	2	4
190. CP 231 (CK)	4	4
191. CI 9214 × CP 231-CI 9122	2	4
192. Lac.-5426A × Zen.	1	0
193. Lac.-5426A × Zen.	2	0
194. Stg 55554-11 × Zen.	3	0
195. Lac.-5426A × CI 9198	2	0
196. Lac-5426A × CI 9198	2	0
197. Stg. 55554-5 × CI 9198	3	0
198. Lac. × Zen.-Nina	4	0
199. Lac. × Zen.-Nina CI 9453	3	0
200. Zenith (CK) CI 9787	2	5

		Pod 1 10/26/6
201. Nova x CI 9198	3-4	5
202. (CI 9209 Sel.) Stg 58 2162 x CI 9198	1	5
203. Lac. x Arkrose	3-4	0
204. Zen.- Nira x S426A	3	5
205. Zenith "Hi pH Sel."	1	5
206. Northrose x Nato	4	0
209. Northrose x Nato	4	0
208. Northrose x Nato	4	0
209. Northrose-Nato x Dulfrose	2	0
210. CP 231 (CK) CI 8993	4	5
211. Northrose-Nato x Dulfrose	1/4 1 Spl.	0
212. Northrose x Dulfrose	3/4	5
213. Northrose x Zenith	1	0
214. Northrose x Zenith	1	5
215. Stg 55666 4 x Northrose	2	0
216. CP 231 x Zenith	2	5
217. CP 231 x Zenith	2	5
218. CP 231 x Zenith	2	5
219. CP 231 x Zenith	2	5
220. Belle Patna (CK) CI 8433	4	5

		Rust
		10/26
221. Nova x Sulfrose	2	0
222. Nova x Sulfrose	1, 3 Sick	0
223. Nova x Sulfrose	3	0/4 M
224. Nova x Sulfrose	3	0
225. Nova x Sulfrose	1	0
226. Nova x Sulfrose	2	0/4
227. Nova x Nato	2	0
228. Nova x Arkrose	3	0/4
229. Nova x CI 9358	1	0
230. CP231 (CK) CI 8993	4	4
231. CI 9209 Sel.-Imp. Bbt. x PI 215936	2	4
232. CI 9209 Sel.-Imp. Bbt. x PI 215936	2	4
233. PI 215936 x CI 9214 CI 9545	4	4
234. PI 215936 x Lacrosse	2	0
235. Gold Nato (Ft. Wayne Bennett)	2, 3	5
236. Gold Nato (Ft. Wayne Bennett)	1	5
237 Outcross	4	0
238.	4	5
239.	4	5
240. Sunbonnet (CK) CI 8989	4	5

		Rep 1 10/26
241.	4	0
242. (CI 8994 x Z-Nira) x Northrose	2	0
243. (Ark. - Bbt. 50 x Northrose) x Bulgrose	1	5
244. Arkrose - Bbt. 50 x Northrose	4	0
245. Ark. - Bbt. 50 x Northrose	4	0
246. CI 9357 x Nato	4	0
247. CI 9357 x Zen.	1	5
248. Arkrose x Bbt. 50	1	4
249. Northrose x Zenith	1	4
250. CP 231 (CK) CI 8993	4	4
251. Ark. - Bbt. 50 x Northrose	4	0
252. CI 5309 x Ark.	1	0
253. Ark. x Bbt. 50	1	4
254. Ark. x Bbt. 50	4	0
255. Ark. x Bbt. 50	1	4
256. Ark. x Bbt. 50	4	4
257. Ark. x Bbt. 50	4	0
258. Ark. x Bbt. 50	4	4
259. Northrose x Arkrose	4	0

		Rust 10/26
260. Nova (CK) CI 9459	2	0
261. Nova x Arkrose	2, 3	0
262. Br²-R x SC 44-1 CI 9495	2	0
263. Ramrose CI 8314	4	0
264. Hill Sel. x (TP x R-SBR) CI 9294	[4]	4
265. CI 929[illegible] Sel.	4	4
266. Hill Sel. x (TP x P-SBR) CI 9191	4	4
267. Palmyra CI 9463	1	5
268. CI 9453 x Bbt. 50	2	5
269. CI 9453 x Bbt. 50	1	0
270. CP 231 (CK) CI 8993	4	4
271. CI 9453 x Bbt. 50 (fr STq 61D609)	1	0
272. CI 9453 x Bbt. 50 (fr STq 61D609)	1	0
273. CI 9453 x Bbt. 50 (fr STq 61D609)	1	0
274. CI 9453 x Bbt. 50 (fr STq 61D609)	3	0
275. CI 9453 x Bbt. 50 (fr STq 61D611)	2	5
276. CI 9453 x Bbt. 50 (fr STq 61D611)	4	5
277. CI 9453 x Bbt. 50 (fr STq 61D618)	1/4	0
278. CI 9453 x Bbt. 50 (fr STq 61D625)	4	0
279. CI 9453-Bbt. 50 x CI 9187	1	5

		Recd 10/26
280. BbT. x CP 231 (CK) CI 9402	4	4
281. CI 9453-CI 9187 x BbT. 50	1/4	4
282. CI 9453-CI 9187 x BbT. 50	1	4
283. CI 9453 x CI 9187	1	4
284. CI 9453 x CI 9187	1	4
285. CI 9453 x CI 9187	1	0
286. BbT. x PI 184675 (fr. 61D778)	1	4
287. BbT. x PI 184675 (fr. 61D778)	1	4
288. BbT. x PI 184675 Outcross (fr. 614304)	1	5
289. BbT. x PI 184675 Outcross (fr. 614304)	1	4
290. CP 231 (CK) CI 8993	4	4
291. BbT. x PI 184675 Outcross (fr. 614304)	1	5
292. BbT. x PI 184675 Outcross (fr. 614304)	1	5
293. CI 9453 x CI 9187 (fr. 604202)	1/4	0
294. CI 9187 x CI 9453 (fr. STq 604847)	2	0
295. CI 9453 x CI 9187 (fr. STq 614791)	1	4
296. CI 9453 x CI 9187 (fr. STq 614791)	1	4
297. CI 9453 x CI 9187 (fr. STq 614791)	1	4

298. CI 9453 x CI 9187 (fr. sty. 614791)	1	4
299. CI 9453 x CI 9187 (fr. sty. 614791)	1	4
300. Zenith (CK) CI 7787	1	5

Test No. 166

	D431 9/23	D433 9/23	904R 9/23	P09	P07 9/23	D-6	D-7
1. Zenith	0	0	0	1-4	1-4	0	0
2. Caloro	0	1-4	4	1-4	4	4?-1	4?-1
3. Lacrosse	0	0	0	4	4		0
4. CI 8970-S	4	0	0	4	4		4
5. CI 5309	0	0	0	0	0		0
6. Dular	0	0	0	1-4			0
7. NP-125	0	0	0	0	0		0
8. CI 8970-P	0	0	0	4	4		4

	647-1	64-7-2	647-3	647-4	P02
1. Zenith	1	1	0	0	1
2. Caloro	4	5	4	4-1	4
3. Lacrosse	2	1,2,3,4	2,3	3	3
4. CI 8970-S	4	5	4	4	2
5. CI 5309	0	0	0	0	0
6. Dular	2	2	0	2	0
7. NP-125	2	2	0	2	0
8. CI 8970-P	4	5	4	4	2

	A68	D59	D445	D453	D73	G64	P04
1. Zenith	0	0	0	1/4"	0	0	0
2. Caloro	1/4	0	1/4	1/4	4	1/4	4
3. Lacrosse	0	0	1/4	1/4"	4	0	
4. CI 8970-S	0?	0	4	4	4	0	
5. CI 5309	1/4	0	0	0	0	0	
6. Dular	0	0	0	0	1	0	
7. NP-125	0	0	0	0	0	0	
8. CI 8970-P	1/2	0	4	4	4	1/4	

1. Zenith
2. Caloro
3. Lacrosse
4. CI 8970-S
5. CI 5309
6. Dular
7. NP-125
8. CI 8970-P

Test No. 167

F_3 lines CI 9534 × CI 9433	5943 Rep 1	Composite Rep 6
F_2 Plant #	10/8	10/8
1.	0	0
2.	1/4	0/4
3.	1/4	0/4
4.	1	1/4
5.	0	0
6.	1/4	1/4
7.	1/4	1/4
8.	1/4	1/4
9.	0	0*
10.	1/4	0/4
11.	0	1*
12.	1	1/4
13.	1/4	1/4
14.	1/4	1/4
15.	1/4	1/4
16.	1/4	1/4 S?
17.	1/4	1/4 S?
18	1/4	1/4
19	1/4	1/4
20.	1/4	1/4

* few plants

F2 Plant No.	5443 Row 1	Composite Row 6
	1/5	1/5
21	1/4	1/4
22	1/4	1/4
23	1/4	1/4
24	0	0
25	0	1/4
26	0	1/4
27	1/4	1/4
28	0	1/4
29	0	0
30	1/4	1/4
31	0	0
32	1/4	1/4
33	0	0
34	1/4	1/4
35	1/4	1
36	1/4	1
37	1/4	1/4
38	1/4	1/4
39	1/4	1/4
40	0	1/4

Test No. 167, Cont.

F_2 Plant No.	5&1/3 Rice 1	Compact Rice 6
	10/5	10/5
41	0/4	1/4
42	0/4	1/4
43	0/4	1/4
44	0	0
45	0/4	0/4
46	0/4	0/4
47	0	0
48	0/4	1/4
49	0	0
50	0	0
51	—	—
52	0/4	0/4
53	0	0
54	0/4	1/4 S?
55	1	1/4
56	1/4	1/4
57	1/4	1/4 S?
58	0	1/4
59	1/4	1/4
60	0/4	1/4

	Record 11 19[illegible]	Compare Rec 6 19[illegible]
61.	0/4	1/4
CI 9534	0	0
CI 9544	4	4
CI 7787	5	0
CI 1561-1	0	5

Test No. 168. US-Jap-Chinese Blast differentials.

	Race 1 5-9613 Inoc. 10/22		P.O.5 Inoc. 10/22 10/28	63622 Inoc 10/27	P.O2 Inoc 10/2	
J-1 280682 To-tep	0	0	0	0	0	2
J-2 280681 Tada Ran	2	2	0	1	2	2
J-3 280683 [illegible]	2,3,4	2,3 F4	4 light	2,3	2	1
J-4 280674 ChoRato	0	0	0	0	0	0
J-5 280684 YaReiko	0	0	0	0	1	1
J-6 280678 Kanto 51	0	0	0	0	1	1
J-7 280679 Gohi Rai shinko	0	0	4 tr	0	2	1
J-8 280676 Homare nishiki	2✓	2,3	0	1,2, 1~3	2✓	2
J-9 280675 Shiga	2✓	2,3 3	0	2,3	1 ✓	1
J-10 280680 Norin 22	4		0	2,3, 4F	2✓	2,3
J-11 280673 Aichi Asahi	4		0	,5	4	4
J-12 280679 Norin 20	4		0	5	4	4
C-1 275428 Taichung 65	0		0	0	4	4
C-2. 277241 Taichung 171	0		0	0	0	0
C-3. 275425 Chianung gen 280	0		0	0	0	0
C-4. 275423 Chianung 242	0		0	0	0	0
C-5 274213 To-to	2		1~4	0	2+	2+
C-6. 282945 Pai-Ran-Tao	0		0	0	2	2
C-7. 282947 Taichung Line 33	0		0	0	1	1
US-12. [illegible]	0		0	1	1	

Page 8. Part 1

63<15" grade 1½	10-1 grade 1½	64<12 2½/4"	64<13	10x31 2½/4"	10-1 2½/4"
0	0	1	1	0	
0	0	1	1	1	
3,4	2,4	1	1 M	0	
0	0	1 3,4	1	0 1	
0	0	1	0	4F 4½	
0	0	4	0	0	
0? 2	4	4 2,3 4F	0	0 1	
0	0	2,3	0 M	0	
0	2	1	1 M	3,4	
0	2	1 4½	4	4F	
0 4	4	4	1 S	4	4F
4½	4	4	1 S	4F	4F
4½ 2½?	0	¼ 4	0	0	0
0 4	0	2 4	0	0	0
0 4½	2	2	0	0	0
0 4	2,3,4	4 4	0	0	0
0	0	0	0	0	0
0	0	2	0	0	0
0 4	4 4	4	0	0	0
0	0	1	0	0	

	5413	POS	4322	P02	
C-8. 282940 Hao. chio. lei-chow	5	0	5	2	4
C-9. 279141 Kaohsiung-to-li-	4	T-4	4	4	4
C-10. 282948 Taichung-to chio-	0	0	0	0	2-4
C. 11. 282939 Austugal Cake	0	T-4	0	0	1
C.12. 282943 Nayala	0	0	0	0	2,3
C-13. 224839 Kan-to si	0	0	0	0	0
C-14. 282944 Nang lai #21	0	0	0	2,3	2,3
C-15. 224900 Sensho	4	0	4	2,3	2,3
C.16. 282941	5	0	5	2	2,3
45.1 Zenith	5	0	5	0	
2 Calow	0	0	0	4	
3 Lac	0	0	0	4	
4 CI 8970-5	5	4 T-1	5	1,2	
5 CI 5309	0	0	0	0	
6. PI 180061	4	0	4	4	
7. PI 20/902	0	0	0	1	
8. PI 8970-P	0	T-1	0	2	
9. Rejoro	4	0	4	1	
10. Balfore	5	0	5	0	
11. Ramied Str. 3	1	0	1	1	

6345	10-1	Acc 8	Pwl	10431	POS
		6442	6443	2/1/64	
3,4 4	5	4	0 5	4F	0
tu4 4	0 2,3 tu4	2	0 5	4F	0
3,4 4	4 4	4	0	0	0
0 4	2 2,3 tu4	2 4	0	0	0
4 4	2,3 2,3 tu4	2 4F	0	0	0
0	0	4	0	0	0
4	0	0	0	0	0
0	0	0	0	0	4F
4	4 5	5	5	4	
0	1	0	4	0	
4	4	4?	1	0	
tu4	0	4F	1	0	
4	5	4	tu4	4	
0	0	4	0	0	
0	0	2,3 4?	0	0	
0	0	3	0	0	
5	4	2,3	0	0	
4	tu4	2	0	0	
0	0	0	4	0	
0	0	1	0	0	

Test No. 164. Sac 10/27/64

	64-T-5	64T-7 (+T6?)	64L1	64L2
	6			
1. Zeni/L	0	0	1,2	
2. Calon	5	5	5	
3. Loc	2	1	1	
4. CI 8970-S	5	5	5	
5. CI 5309	0	0	0	
6. PI 180061	2,3	1	1	
7. PI 201902	2,3	1	1	
8. CI 8970-P	5	5	5	

	64L16	64L18 (+16, 17?)	64L19	64L20
1. Zeni/L		0	0	0
2 Calon		5	5	5
3 Loc		1	1	1
4 CI 8970-S		5	5	5
5. CI 5309		0	0	0
6. PI 180061		1	1	0
7. PI 201902		0	0	0
8. CI 8970-P		5	5	5

Dec 10/23

64L3	64L10	64L12	64L13	64L14	64L15
1		4	4	0	0
5		4	0	5	5
2,3 1=4		1,2,4	0	1	2,3 1
5		5	4	5	5
0		0	0	11	10
1		3,3,4	2,3,4	1	6
1		0	0	0	0
5		5	0	5	4

64L22	64L23	64L24	64L25	64L27	64L3
0	0	0	0	0	0
5	5	1=4 4	5	5	5
1	0	0	1,2	1	1,2,3 1=4
5	5	1=4 4	[5?]	5	4
0	0	0	0	0	4 *
0	0	0	0	0	2,3 1
0	0	0	0	0	2,3 1
5	5	4 light *	5	5	4

good print @ 53.9

Test #169 (cont)

	64L36 64A1
1 zenith	0
2. Calora	4
3 LBC	1
4 CI 8970-S	4
5. CI 5309	1
6. PI 180061	1
7. PI 201902	1
8. CI 8970-P	5

Test No. 170

FAO	PI or CY	Variety	Race 1 5943		
				11/15	11/28
1.	281914	~~Burma~~ AC-35-3		1	1
2.	281915	AC-56-11		1	1
3.	281916	B-35-2	M	2,3	1,2,3
4.	281917	B-401	M	1,2,3 1~4	1,2
6.	281919	C-33-18	M	1,2	1,2
7.	281920	C-46-15		[1,2 3,4]	[]
8.	288083	C-30-32		2,3	1,2
11.	281921	D-25-4	S	1,2	1,2,3
13.	281857	44M302 XMas.		4F	1,2,3 4F
14.	281858	H-5M302 XM23	M	1,2	1,2
15.	281859	H-105 Nurungzrayan	M	1	1
16.	281860	H-301 Nurungzrayan	M	1	1
17.	281861	302 Muonngzrayan		0	1
22.	281758	Ceszriot		2,3,4	3,4
23.	281760	~~Fanny~~ FANNY		0	0
24.	281757	Arlesienne		1	1
25.	281759	Cigzlon		1	1
26.	281843	Fa Yiu Tszi		1	1
27.	281844	Kam Bau Hgan		1	1
28.	281845	Lo Shu Hgzr		1	1

FAO	PI	Variety		Regal 594/3 1/15	1/28
29.	281846	Pak Huk Chai Mei		2,3,4	2,3
30.	282125	Nirnidhan		1	1
31.	282126	PTB 10		1	1
32.	282120	A.C. 2250	S	1,2,3	1,2
33.	282123	Hybrid I	S	1,2,3 4	2,3
34.	282124	Hybrid II	S	3 4F	1,2
35.	282127	S. 67		1	1
36.	282121	Co. 4		1,2,3	1
37.	282122	Co. 25	S	1	1
38.	281786	Norin #1		1	1
39.	281787	Norin #17		Omitted	
40.	274216	Kongo Cr. # 1		0	0
41.	280676	Homare-Nishiki	M	0	0
42.	273469	Norin #22		0	1
43.	224839	Kanto 51		0	1
44.	223737	Pi. #1.		0	1
45.	280683	Usen		1,2	1,2
46.	280674	Choko-to		0	1
47.	280681	Tzdukan		1	1
48.	281764	Suwon No. 152		0	1

FAO	PI	Variety	Race 1 59 2/3		
				1/15	1/24
49.	281765	Suwon No. 158		0	1
50.	282390	Padang Trengganu		1, 2	1
52.	282385	Aceh Patch	S	1, 2, 3, 4	1
53.	282395	Subang Intan 117	S	1, 3, 4	1, 2
54.	220, 258	Magany Sagunpal		1, 2, 3	2, 3
56.	282386	Arak Naga		1, 2	1
57.	233660	Sera Raja		1	1
58.	282387	Mayang Ebos	S	1, 2, 3, 4	1, 2
59.	282391	Radin Kuning ~~Sick 34~~	S	1, 2	1, 2, 3 S
60.	282392	Radin Sia K34	S	1, 2, 3, 4	1, 3 4F
61.	283680	Dular	S	3, 4	2, 3, 4 4F
62.	283679	Dharial	M	1	2
63.	283681	Bashikalmi		1	1
64.	283682	Kataktara	M	1	1
65.	283683	K.P.F. 6		1	1
66.	283685	Marichbati		1, 2, 3, 4	1
67.	283686	Panbira	M	1, 2	1
68.	283684	Latisail	M	1, 2, 3	2, 3
69.	283687	Patnai-23	M	1, 2, 3	2, 3
70.	283688	Tilok-Katchary	S	1, 2, 3, 4	1, 2

Note: FAO 83 - 82 turned backwards:

FAO	P.I.	Variety		Real 5-9-13 11/15	1/28
71.	283678	Dz.-31		0	T
72.	281794	Stirpe 136	M	0	0
73.	281793	Rinaldo Bersain		5	5
74.	281796	Binicol	M	1	1
75.	281803	Macapilay Pusa	M	1	1
76.	281805	Pimusique	M	1	1
77.	281797	Dinafor 6-33-45 As		1	1
78.	281801	FK-135	M	1,2	1,2
79.	281798	BPI-76	S	0 T2 3	1
80.	281799	FB-120		1	1,2
81.	281802	FB-170		1	1
83.	281800	FB. 124		1,23	1
82.	281795	B-E-3		1,2	1,2
84.	281806	Raminad Str. 3		—	—
85.	281807	Wag. Wag.		0	1,2
86.	233289	Peta	S	4	4
87.	282768	R-67		2,3	1,2 1,3
88.	282769	R-75		0	1,2
89.	282771	Iguapo Cateto		1,2	1,2

FAO	P.I.	Variety		Raal 59413	11/15
90.	282767	Tappeni Junkungo		1, 2	1, 2
91.	282766	E. 425	M	1, 2	1, 23
92.	282770	RT-7095 526	S	1, 23	1, 2
93.	275425	Chiznung Yu 280		1, 2	1, 2
94.	282820	Chiznung 242		0	0
95.	282819	C-115		0	0
96.	275432	Taichung 181		0	1, 2
97.	275433	Taichung 182		0	1, 2
98.	275434	Taichung 183		0	1
99.	275435	Taichung line 48212		0	1
100.	275436	Taichung line 47220		0	1
101.	282821	Kaohsiung line 135		0	1
102.	282822	Kaohsiung line 137		0	1, 2
103.	282823	Kaohsiung line 164		0	1
104.	282825	Taitung Yu 93		0	1
105.	271672	Taichung Native #1	M	0	0
106.	275431	Birme-fen		0	1, 2
107.	282824	Pai-ken-tao		0	0
108.	282455	Nahng Mon 3-4	M	1	0
109.	282456	Leanung Yai 34		1	1, 2

FAO	P.I.	Variety	Real 69413 1/15	
110.	282457	Pah Lenaud 111	1	1
45.	294320	C46-15	0	0
49.	294321	M-302	1	1
52.	294322	H-6	1, 2	0
58.	294323	59-811 (M'25' X Ptb-16)	1, 2	0
68.	294324	'Sukhwel 20'	1, 2	1
69.	294325	'SLO 15'	1, 2, 3	1, 2
71.	294327	PTB 10	0	0
73.	294329	Kalamba 42'	1	1
74.	294330	T21	4F	1
75.	294331	'Ram Tulasi' (sel).	1	1
76.	294332	'Nepali Tulasi' (sel).	1	1
78.	294334	M.T.U. 3	1, 2, 3	1, 2
79.	294335	M.T.U. 15	1	1
80.	294336	CO 25	0	1
85.	294338	ASD-1	4F	1
86.	294339	B.J. 1	1, 2	1, 2

FAO	P.I.	Variety	Roal 59413	
			1/15	
87.	294340	G.S. 336	2, 3 4F	1, 2
88.	294341	BR 7	4	2, 3
89.	294342	BR 24	1	1, 2
98.	294344	221/BC1D/1/178/6	0	1, 2
99.	294345	221/BC1D/1/178/9	1, 2	1, 2
100.	294346	221/BC1D/1/45/10	1, 2 3E	1, 2
101.	294347	221/BC1D/1/178/11	1, 2, 3 4	3
102.	294348	221/BC1D/1/178/13	1, 2, 3, 4	3
103.	294349	221/BC1D/1/178/3	1, 2, 3	3
104.	294350	221/BC1D/1/45/8	1, 2, 3	3
105.	294351	'Zuiho'	0	0
106.	294352	'Kanto 53'	0	0
107.	294353	'Ginmasari'	1, 2	3
108.	294354	'Norin 18	0	0
109.	294355	'Fujisaka 5'	0	1
110.	294356	'Hakkoda'	0	1
111.	294357	'Aimasari'	0	1
112.	294358	'Kinmaze'	0	1
113.	294359	'Sasashigure'	0	1
114.	294360	'Norin 29'	0	1

FAO	P.I.	Variety	Roa 1 59413	1/15	
115.	294361	'Norin 22'		0	1
116.	294362	'Koshiji Wase'		1, 2	1
118.	294363	'Norin 41'		0	1
119	294364	'Akebono'		0	1
120.	294365	'Hatsu-Nishiki'		0	1
121.	294366	'Miho-Nishiki'		0	1, 2
122.	294367	'Tozan 38'		0	0
123.	294368	'Norin 25'		0	0
130.	294369	'Achch'		1	1
149.	294370	'Panbira'		1	1, 2
152.	294373	'Tilok-Katchary'		1, 2	1, 2 1+3
152.	294374	Da-31		1	1
163.	294375	'Bengawan'		1, 2	1, 2
164.	294376	'Tjere Mas'		1, 2	1, 2
170.	294377	B4436		1	1, 2
171.	294378	'Dud Kuning'		1	1
174.	294380	'Milbuen 5-(3)'		1	1
175.	294381	C22		1, 2, 3	2, 3
176.	294382	'Nang Thay'		4 F 2 1, 2 1 Ph	1, 2 1 Ph
177.	294383	FK 165		1	1

FAO	P.I.	Variety	Rod 1 5-9-13	11/05	
184.	294384	'Taipei 127'		1	2, 3
185.	294385	'Taipei 306'		0	1, 2
190.	294389	'Chianung 242'		1	1
191.	294390	'Chianung Yu 280'		1	1
192.	294391	'Chianan 2'		0	1
194.	294393	'Kaohsiung 24'		1	1

Test No. 171

Date 1/18/65

				64A1 ✓	64A2 ✓	64A4 ✓			64A10 ✓
1	7787.	Zenith	1	1	0	1	1	1	1
2	1561-1	Calcon	5	5	4	5	4	4	4	4
3	8985	hac	1		2,3	2,3	1,2 1 sPl	1,2 1sPl	1	1,2
4	8970-S		5		5	5	5	5	4	4
5	5309		0		0	0	0	0	0	0
6	180061	Dalan	0		1,2	1,2	1	1	1	1
7	201902	NP-125	0		1,2	1,2	1,2,3	1,2,3	1	1
8	8970-P		5		5	5	5	5	5	5
9	1779	Rayco	4		4	4	4	4	4	5
10	280683	Waco	1		2,3	2	1,2	1,2	1,2	1,2 3
11	275428	TB. Chng 65	1		1,2	1,2	1,2 3F	1,2 3	1,2	1,2
12	281786	Navi 1	1,2		1	1	0	0	1,2	1,2
13	281789	Navi 17	1		1,2	1,2	1	1	1,2	1,2
14	282944	Mag. Li 21			4F	1,2 1-4	4F	2,3 4	1,2,3	1,2
15	223737	Pi 10,1	1		1,2	1,2	0	0	1,2	1,2
16	8314	Kenmore	1,2		1,2	1,2	4F	1,2,3 4F	1,2, 4 Tw	1,2 4

G4L14			G4T3			G4T4	G4T5			G4T9		G4T17	
1	1	1				0 or 1	1	1	1	1		0	0
4	4	4				↓	5	5	4	5		4	4
1 4F	1,2	1,2,3					2,3,4	2,3 4	2,3,4	2,3 4		2 3F	2 3F
4	4	4					5	5	5	5		4	5
0	0	1					0	0	0	0		0	0
1	0	1					3	3	1,2	1,2		1	1
1	0	1					4	4	1,2	1,2		1	1
4	4	4					5	5	5	5		4	4
4	4	4					4	4	4	4		5	5
1	1	4	1,2,3 3+				1	1	1,2	1,2		1,	1,2
1	1	1					1	1	1	1,2		1,2	1,2
1	1	1,2					1	1	1	1,2		1,2	1,2
1,2	1	1,2					2	2	0	1		1,2	1
3F	1,2 3F	1,2					1,2 4F	1,2 4F	1,2,3	1,2,3 4F		1,2	1
0	0	1,2					1	1	1,2	1,2,3		1,2	1
1,2 3F	1,2	1,2,3 4F					4	1,2,3 3+	1,2	1,2		1,2	1

Test NO. 172. 1/18/65. Poor infection on series.

	Inoc	1/6/65	→	
	64L10	64L11	64L12	64L13
	1/18/65			
1. Zenith	0	0	0	0
2. Calora	0	4	0	0
3. Loc	0	0	0	0
4. 8970-S	4?	0	0	0
5. 5309	0	0	4?	0
6. 180061	0	0	4?	0
7. 201902	0	0	4?	0
8. 8970-P	0?	4	[0]	0

	Inoc	1/6/65	→	
	64L27	64L28	64L32	64L33
1. Zenith	0	0	0	0
2 Calora	0	0	4F	4?
3. Loc	0	0	4	0?
4. 8970-S	0	4	4	4
5. 5309	0	0	0	0?
6. 180061	0	0	0	0
7. 201902	0	0	0	0
8. 8970-P	0	0	4	0?

64L19	64L20	64L23	64L24	64L25	64L26
0					
0	0	0	0	0	0
0	0	0	0	0	4
0	4F	—	0	0	4?
0	4	0	0	0	4
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	4?

Same 1/64s -
64L36

0
—
0?
4
—
0
0
0?

Test # 173. 9 Nov. 3/8/65.

	64L10 ✓		64L11 ✓		64L12 ✓		64L13 ✓	
	3/15		3/15		3/15		3/12	
1. Zenith	1	1	0	0	1	1		
				1 SPL				
2. Calon	0	6	5	5	4	4		
3. Loc	0	6	2	2	2	2		
					3F	1,3		
4. 8970-S	4	4	5	5	5	5	4	
5. 5309	0	0	0	0	4	4		
6. 180061	1	0	1	1	4	4	3F	
7. 201902	1	0	1,2	1,2	2,3	4		
8. 8970-P	0/3	0/3	5	5	5	5	4	

	64L27 ✓		64L28 ✓		64L33 ✓		64L34 ✓	
	3/12		3/15		3/12		3/15	
1. Zenith	1	1	0	4F	0	0	0	0
			1 on 4					
2. Calon	4	4	4F	4F	4	4	4	4
3. Loc	1	1,2	1,2	1,2	3	2,3	2	2
4. 8970-S	5	5	4	5	4	4	4	4
5. 5309	1	1	4F	4F	4	4	0	0
6. 180061	1	1	1	1	1,2,3,4	3,4	1,2	1,2
						4F?		
7. 201902	1	1	1	1	1,2	2,3	1,2	1,2
8. 8970-P	5	5	4	4	4	4	4	4

Int 3 64L13 on Calon grow above ones on young plants

64A5

64L17 ✓		64L19 ✓		64L22 ✓		64L23 ✓		64L25 ✓		64L26 ✓	
3/12		3/12		3/12		3/13		3/12		3/13	
4	4	3F	1	0	0	0	1	0	0	0	0
			Tr3								
0	0	4	4	4	4	4	4	4	4	4	4
0	0	1	1	1	1	4F	4F	1	1,2	1,2	1,2
			Tr3		Tr3					Tr4	Tr4
4	4	5	5	5	5	5	5	5	5	4	4
0	0	1,2	1	0	0	0	0	1	1	0	0
		Tr3									
1	1	1,2	1,2	1	1	0	0	1	1,2	1	1
1	1	2,3	2,3	1	1	0	0	1	1,2	1	1
0/4	0/4	5	5	5	5	—	—	4	4	4	4
ISAT											

64T11 ✓		64T12 ✓		64T13 ✓		64T14 ✓		64T18 ✓		64T20 ✓	
3/12		3/12		3/12	A5	3/12		3/13		3/12	
0	0	0	0	1	1	1	1	0	0	0	0
5	5	5	5	4	4	4	4	4	4	4	4
1,2,3	1,2,3	1	1,2	1,2	1,2	2	2	1,2	1,2,3	1,2	1,2
4	4F		Tr3	3F							
5	5	5	5	5	5	5	5	5	5	5	5
0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	0	1	1	1,2	1,2	1,2	1,2	1,2	1,2
1	1,2	0	0	1	1	1,2	1,2	0	1	1,2	1,2
4	5	5	5	4	4	4	4	5	5	5	5

Test #173 Cont.

	64T-1	64T-2	64T7	64T8
1 Zenith	0	0	0	0
2 Calon	4F	4F	4	4?
3 LaC	0	0	0	0
4 CF8570-S	0	3,4	4	4?
5. 5309	0	0	0	0
6 180061	0	0	0	0
7 201902	0	0	0	0
8 8970-P	0	3,4	4	4F

	64A9	64A11	64L1	64L3
1. Zenith	0	1	0	0
2. Calon	0	4	4	4
3. LaC	0	3F	0	3F
4. 8970-S	4?	4	4	5
5. 5309	0	0	0	0
6. 180061	0	0	1	0
7 201902	0	1	2,3	0
8. 8970-P	4?	4	4	4

C4T13	C4T14	C4T15	C4A3	C4A7	C4A8
0	1	6	0	0	0
4F	4	4	4	0	0
1	1	0	0	0	0
4F	4	4	4	0	4F
0	0	0	0	0	0
0	0	0	1	0	0
0	1	0	1,2	0	0
4F	4	4	4	0	4F

C4L15	C4L26	C4L21	C4L24	C4L32	C4L36
0	0	4?	0	0	1
4	4	0	0	4	4
0	1	0	0	1,2	2,3,4
4	4	4?	0	5	5
0	0	0	0	0	0
0	1	1,2	0	1	1
0	1,2	0	0	1	1,2
4	4	0	0	4	5

Test No. 174

	64A1 ✓	64A2 ✓	64A3 ✓	64A4 ✓	64A5 ✓
					3/29 4
1. 2 emi	0	0	0	2	1
2. Calcium	5	5	5	5	5
3. Loc	2,4	2 1,4	4	2+	2,3,4 3
4. 8990S	5	5	5	5	5
5. 5309	0	0	0	0	0
6. 180061	2,3	1	2,3	2	1,2
7. 201902	2,3	2,3	2,3	3+	2,3
8. 8990-P	5	5	5	5	5

	64T-2 ✓	64T3 ✓	64T-5 ✓	64T7 ✓	64T9 ✓
1. 2 emi	0	1	1	0	1
2. Calcium	4	4	5	4	4
3. Loc	2, 1,4	2,3,4	2,4 4	2,3,4	2,3,4
4. 8990-S	4	5	5	5	5
5. 5309	0	0	1,2	0	1
6. 180061	0	2	4	2	1
7. 201902	0	2,3	4	2	2
8. 8990-P	4	5	5	5	5

64A7	64A8	64A9	64A10	64A11	64T-1
	3/29	7/29	3/29		
0	R	1	0	1	0
4	5	5	5	5	4
4	2 4T-4	4	2,3,4 4	3,4	4 7n4
4	5	5	4	5	4
0	0	4	0	2	0
0	1	4	0	2	1
0	1	0	0	2	1
4	5	5	5	5	4

64T11	64T12	64T13	64T14	64T15	64T 17	64T 18
0	[0]	4	1	0	0	1
4	5	4	4	4	4	4
4	2 7n4	4	2,4	2,4	2,4	3
5	5	5	4	4	5	5
0	0	1	0	0	0	0
1	1	2	0	0	1	0
1	1	2	0	0	1	0
5	5	5	4	4	5	5

Test No. 174 Cont.

	64L1 ✓	64L3	64L10	64L11 ✓	64L12
1. Zenith	0			1	
2. Colon	4			5	
3. Loc	2,4			1,2,4 4F=1	
4. 8970.5	5			5	
5. 5309	0			0	
6. 180061	1			1,2	
7. 201902	0			1,2 1F=3	
8. 8970.P	5			5	

	64L24	64L25 ✓	64L26 ✓	64L27 ✓	64L28 ✓
				4/5	
1. Zenith		0	0	2	0
2. Colon		[4]	4	5	4
3. Loc		4*	3,3	4	4
4. 8970.5		5	5	5	5
5. 5309		0	0	0	0
6. 180061		0	1	1	2 1-3
7. 201902		0	2	2	2
8. 8970.P		4	4	4	4

64L13	64L14 ✓	64L15 ✓	64L17 ✓	64L20 ✓	64L23 ✓
		4/5	4/5	4/5	
	2	0	4	1 tr 3	0
	4	0	0	4	4
	2 4 4F	tr 4	0	4*	4*
	4	4	4	5	4
	0	0	0	0	4F
	1	0	4	1	0
	1	0	0	1	0
	4	0/4 1311	0	5	4

64L32 ✓	64L33 ✓	64L34 ✓	64L36 ✓	64L49 ✓	64L22 ✓
			4/5	5	
1	0	5	0	0	0
4	4	4	4	4	—
4	4*	4*	4*	4*	2
5	4	4	5	5	4F
0	4F	[0?]	0	0	—
1	4F	4	0	0 tr 2	0
1	0/4	0	0	2+	0
4	4	4	5	5	4

Test No. 174, Cont.

	Row 4/4 ✓			Row 7	
	P02	P04	P07	D-453	P05
1. Zenith			4	4F	
2. Calow		0	4	4	
3. Loc			4	4F	
4. 8970-S			4	4	4
5. 5309			4	4	
6. 180061			4	4	
7. 201902			0	0	
8. 8970-P			4	4	4
			R	OK R	R

	Row 2	Row 1	Row 19	Row 16	
	D-6	63L-22	D-445	41L4	64L13
1. Zenith	0	4	0		
2. Calow	4F	0	4		4
3. Loc	0	0	4F		
4. 8970-S	0	4	4	4F	
5. 5309	0	0	0		4
6. 180061	0	4F	4F	4F	
7. 201902	0	0	0		
8. 8970-P	0 R	0	4	4F	4
			OK R		R

Row 3				Row 4	Row 6
D431	P08	D-59	G2F1	D433	G3<15
0	0	0	0		0
0	4F	3	4F	0	4
0	4	0	2,3		3,4
4	4	4	4		4
0	4	4	4		0
0	4	3,4	2,4		0
0	0	0	1		0
0	4	4	4		4
R	R	R	R		R
D-73	D-1	G4<-3	G4<4L		
0	0	0	0		
4	4F	4	4		
2,3	0	4	3,4		
5	4	4	5		
0	0	0	0		
0	0	1	1		
0	0	1	1		
4	4	4	5		

11 B

Blt. 50 X Bulfinch

Blt. 50/4 X bulfinch

Belle Plaine ed 9534

881
1
83

6 2104/2 + B

5 to Row 6+16 +1

6 removed (4/
4 " (4/8/64)
8 " 4/10/64)
4 " 4/14/64
5 " 4/17/64

27

---

6 2104/3 + B

5 to Row 6+16

30 removed (4/
21 " 4/9
56 " 4/9
14 "

7 remaining plants of questionable resistance discarded

64A1

1963 BLAST NURSERY

CR FORM 6
FEB. 1958

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Crops Research Division

FIELD NOTEBOOK
AGRONOMIC NOTES

If found, please tie securely and return to

DR. JOHN G. ATKINS, Plant Pathologist
(Employee's Name)
USDA - ARS-CR- Cereal Crops Branch
Route 5, Box 366
(Street Address)
Beaumont, Texas
(City and State)
Phone RE 9-2751

U. S. GOVERNMENT PRINTING OFFICE 16—53084-2

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.

Size.....1/20 acre.

SOIL

Kind.....Prairie loam.

Position.....Somewhat rolling.

Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....

Disk..... Osborn.....Sharp.

Harrow..... U Bar.....Good.

Seeder..... Monitor.....Good.

.....

SEED

Variety.....Variable.

Weight per bushel.....Variable.

Source.....Variable.

Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half).....4–6–'08.
2. Disked (lapped half).....4–10–'08.
3. Harrowed.....4–10–'08.
4. Harrowed.....4–27–'08.
5. Seeded.....4–27–'08.
6. Harrowed.....4–27–'08.

SEEDING

Manner.....Drilled.

Date.....4–27–'08.

Rate.....3 bushels per acre by weight.

U. S. GOVERNMENT PRINTING OFFICE 16—53084–1

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

		Brit	
15001	S.I. 164,910	4	500
15002 1.	CI 1561-1 Caloro	4	
15003 2.	CI 7787 Zenith	0	
15004	S.I. 164,910	4	300
15005 3.	CI 8985 Lacrosse	4 Not Loc	
15006 4.	CI 5309 Introd. Phil	0	
15007	S.I. 164,910.	4	1500
15008 5.	PI 180061 Introd. India	0	

Lot 7 Barley	Pan	10/3 Kelso
VS	0/0	S
S	0/0	R
S	Not Log 1/2	S
R	0/0	R
S		
S	0/0	R

15009 6.	PI 201902 Introd, India	0 Hel		
15010	P.I. 164910	4.5	10 mo	
15011 7.	PI 180182 Introd, Peru	0 Hel.		
15012 8.	PI 215936 Tainan-1ku 487 (Taiwan)	2 R		
15013	P.I. 164910	4,5	12 mo	
15014 9.	PI 184675 Introd. Iran	2 R		
15015 10.	CI 8998 Nato S	2,3	1 mo	
15016	P.I. 164910	4	10 mo	

Crowley
R 0/0

Kelsey
R

R(S) 0/0 R

S 0/0 R (Small size)

Crowley
S
10 40 2
20 40

CI 9433 Kelsey
Belle Patna S 15017
11.

R 0 S 0/0 2
15

CI 8993 S
CP 231
15018
12.

S
0
1N

A.S
15 40

P.D. 164,910.
15019

S
0

2,3.
5.4

CI 8990 S
Bbt. 50
15020
13.

15021 14.	CI 1344 Fortuna	2, 3 5, 7	
15022	P.I. 164910.	4	10 ma
15023 15.	CI 2702 Nira	2	
15024 16.	CI 9439 4II-8-14/2x 322A6-23	2 4, 6	
15025	P.I. 164910.	4	15 ma
15026 17.	CI 9453 x CI 9187	2 5, 3	
15027 18.	CI 9453 x CI 9187	2	Tr
15028	P.I. 164910	4, 5	10 ma

Crosby Parm.		Kelsey
S	O	S
S (few)	O	R
S	2/3	S
S	2/3	R (few S)
S (few)	Tr	R (few S)

15029 19.	CI 9453 x CI 9187	2	tr
15030 20.	CI 9453 x CI 9187	0	
15031	P.I. 164910	X, S	10-10
15032 21.	CI 9187 x CI 9453	2	
15033 22.	CI 9453 x CI 9187	2	
15034	P.I. 164910	X, S	10-10
15035 23.	CI 9453 x CI 9187	2	
15036 24.	CI 9453 x CI 9187	2	

Poultry Farm		Kelw
S	2400	R (Tus)
S (Lw)	Tus	R
S	Tw	R (Tus)
S	3400	R
S	2400	R
S	Tw	R

15037	P.I. 164910	4, 5	1090	
15038 25.	CI 9453 x Bbt. 50	2 vg. x		
15039 26. Hw.	CI 9453 x Bbt. 50	2		
15040	P.I. 164910	4	1090	
15041 27.	CI 9453 x Bbt. 50	2, 3		
15042 28.	CI 9453 x Bbt. 50	2		
15043	P.I. 164910	4	1570	
15044 29.	Bbt. x PI 184675	2		

Crowley B	Per		Kelso		
S	O		S		
R	O		R		
S	O		M		
S	O		S		
R	O		R		

15045 30	Bbt. x PI 184675	2		
15046	P.I. 184910	4	10 ml	
15047 31.	Bbt. x PI 184675	2		
15048 32.	Bbt. x PI 184675	2		
15049	P.I. 164910.	4	15 ml	
15050 33.	Bbt. x PI 184675	2		
15051 34.	Bbt. x PI 184675	0		
15052	P.I. 164910.	4		

Crawley	Pa		Kelso		
S	O		R		
S	O		R		
S	O		R		
M	O		R		
S	O		R		

15053 35.	Bbt. x PI 184675	1		
15054 36.	Bbt. x PI 184675	1		
15055	P.I. 164910	4, 5		
15056 37.	Bbt. x 184675	1, 2		
15057 38.	Bbt. x 184675	1, 2		
15058	P.I. 164910	4, 5	15 40	
15059 39.	R-Z x Lacrosse	2	1 2	
15060 40.	Rexoro x Bezu	2		

Crowley	Pan.		Kelso			
5	0		R			
5	0		R			
5	1=0		R			
5	0/2=0		R			
5	1=0		R			
5	1=0		M			

			Pen
15061	S.J. 164910	4,5	1340
15062 41.	RR-Bozu x 132-848	1, 2	2090
15063 42.	RR x 250-Mag	2	2nd
15064	S.J. 164910	4,5	10 no
15065 43.	RR x R-252	2. Heli	0
15066 44.	R-Z x RR	2 Heli	0
15067	S.J. 164910	4,5	10 no
15068 45.	RR x 250-Mag	2. 3 Hel	2nd

Crowley	Carr		Kelso
SM	—		M
S	—		R
S	0 / 270		R
S	240 / 1070		R
VS	—		R

15069 46.	df TPU x Bbt. 50	2, 3 Hal.		
15070	P.I. 164910	4, 5		
15071 47.	Rex x Lac	2		
15072 48. Hav.	R-Z 1512 x Lac	2		
15073	P.I. 164910	4, 5		
15074 49.	RD-Sadri x Lac-C253	2		
15075 50.	RD-Sadri x Lac-C253	2		
15076	P.I. 164910	4, 5		

Crowley	Pan		Kelso			
S	0		S			
S	500 / 1090		S			
R	0 / 0		R			
S	tr		S			
S	2-1 D		S			

15077 51.	RD-Sadri x Lac-C253	2 vf x		
15078 52.	RD-Sadri x Lac-C253	2 vf x		
15079	P.I. 164910	x		
15080 53.	RD-Sadri x Lac-C253	2		
15081 54.	RD-Sadri x Lac-C253	2 f x		
15082	P.I. 164910	4		
15083 55.	RD-Sadri x Lac-C253	2		
15084 56.	RD-Sadri x Lac-C253	2		

Crawley	Ave	Kelso
S	tr	S
VS	270	S
S	tr	R
VS	340	S
S	170	R
S	rr	M

		Bnt. Lot	Pen
15101	S.D. 164910	4	15 ad
15102 57.	RD-Sadri x Lac-C253	2 4 3	
15103 58.	RD-Sadri x Lac-C253	3,4	
15104	S.D. 164910	4	
15105 59.	RD-Sadri x Lac-C253	3,4.	
15106 60.	RD-Sadri x Lac-C253	2 Hel.	
15107	S.D. 164910	4,5	
15108 61.	RD-Sadri x Lac-C253	2	

Crowley	Pan	Kelw
S	Tr	S
VS	240	S
VS	240	S
M	O	R
M	O	R

15109 62.	RD-Sadri x Lac-C353	2, 3		
15110	P.I. 164910	5		
15111 63.	RD-Sadri x (7/8 Rex x TP49)	3 + 4		
15112 64.	RD-Sadri x (4II-8-14 x R-252)	3 + 4		
15113	P.I. 164910	5		
15114 65.	RD-Sadri x (4II-8-14 x R-252)	3		
15115 66.	RD-Sadri x (4II-8-14 x R-252)	3		
15116	P.I. 164910	5		

Cemetery S	Poor O	Kelso M	
S	1900	S	
VS	1900	S	
VS	O Poor repair	S	
VS	O Poor repair	S	

15117 67.	Mo. R-500 x Nato	2 Hel.		
15118 68.	CI 9442 Bbt. x CP 231	3		
15119	P.I. 164910	5		
15120 69.	CI 9471 Irrad. Bbt. 50 sel.	3 54		
15121 70.	CP 231 x SLO-17	3, 4		
15122	P.I. 164910	5		
15123 71.	CP 231 x PI 184812	2		
15124 72.	CI 9536 CI 9278 x TP	3		

Low Cowley R	Poor	Yellow		
	O / Fa	R		
S	Good	S		
S	O	S		
VS	Good	VS		
M	O Poor Type	M		
S	O	S		

15125	S.D. 164910	4,5		
15126 73.	CI 9444 CI 9278 x TP	2, 3 f4		
15127 74.	CI 9534 CI 231 x HO-12	2		
15128	S.D. 164910	4,5		
15129 75. Kw.	Bbt. 50 x HO 12 "	2		
15130 76. Kw.	Bbt. 50 x HO-10	1,2		
15131	S.D. 164910	4,5		
15132 77. Kw.	Bbt. 50 x HO-10	1,2		

Crawley	Parr		Kelso		
S	2nd		S		
R	O		R		
R	O		R		
R	O		R		
R	O		R		

15133 78.	Bbl 50 x HO-341	2, 3 5X	
15134	P.S. 164910	4, 5	
15135 79. H.	CP 231/2 x HO-12	2	
15136 80. H.	CP 231/2 x HO-12	2	
15137	P.S. 164910	4, 5	
15138 81. H.	CP 231/2 x HO-12	2 H.	
15139 82. H.	CP 231 x (Bbl x HO-10)	2 H.	
15140	P.S. 164910	4, 5	540

Crawley	Por		Kelso		
S	tr		S		
R	O		R		
R	O		R(tr S)		
R	O		R		
R	O		R		

15141 83.	CI 9538 CI 9214 x CI 9383	2 VF4	270
15142 84.	CI 9214 x CI 9383	2 VF4	270
15143	P.I. 164910	4	370
15144 85.	CI 9214 x CI 9383	2	0
15145 86.	CI 9214 x CI 9383	2	1070
15146	P.I. 164910	4	
15147 87.	CI 9488 CI 9214 x CI 9383	2 VF3	770
15148 88.	CI 9537 CI 9214 x (CI 231 x CI 9122)	2	470

check for stem-rot.

Crowley	Par	Kelso
S	1040 / 30	S
S	1070 / 20	S
S	240 / 30	S
S	1540 / 20	S
S	1040 / 30	R
S	270 / 30	R

15149	P.I. 164910	4, 5		
15150 89.	CI 9487 CI 9214 x (CP 231 x CI 9122)	2, 3 + 4	1200	
15151 90.	CI 9490 CI 9214 4 (CP 231 x CI 9122)	2	1090	
15152	P.I. 164910	5		
15153 91.	CI 9544 CI 9214 x (CP 231 x CI 9122)	2		
15154 92.	PI 215936 x (CP 231 x CI 9122)	3, 4		
15155	P.I. 164910	5		
15156 93.	PI 215936 x CI 9214	3		

Crawley Pa		Kalso	
S	1530 / 30	S	
S	2020 / 30	S	
S	2070 / 3040	S	
VS	0 pour gusta	VS	
S	1040	S	

15157 94.	PI 215936 x CI 9214	3, 4		
15158	S.D. 164910	5		
15159 95.	PI 215936 x CI 9214	2		
15160 96.	PI 215936 x CI 9214	3		
15161	S.D. 164910	5		
15162 97.	CI 9545-2 PI 215936 x CI 9214	4		
15163 98.	CI 9545-7 PI 215936 x CI 9214	4		
15164	S.D. 164910	5		

Crawley	Penn	Kelso
S	tr / 540	S
S	540	M
S	tr	S
S	240	S
S	240	VS

15165 99.	Bbt 50/2 x Gulfrose	2			
15166 100.	Bbt 50/2 x Gulfrose	3			
	P.O. 164910				
15167		5			
15168 101.	Bbt 50/2 x Gulfrose	3, 4			
15169 102.	Bbt 50/2 x Gulfrose	3 4			
	P.O. 164910				
15170		5			
15171 103.	Bbt 50/2 x Gulfrose	2, 3			
15172 104.	Bbt. 50/2 x Gulfrose	2, 3			

Gradley	Par		Kelso
S	O		R
S	O		S
S	O		S
S	O		S
S	O		S
S	W		S

15173	P.S. 164910.	5			
15174 105.	Bbt. 50/2 x Gulfrose	4			
15175 106.	Bbt 50/2 x Gulfrose	2, 3 vs 4			
15176	P.S. 164910	5			
15177 107.	Bbt 50/2 x Gulfrose one x coloured	2			
15178 108.	Bbt. 50/2 x Gulfrose	2			
15179	P.S. 164910	5			
15180 109.	Bbt. 50/2 x Gulfrose	2			

Crowley	Pcm	Kelso	
S	O	S	
S	O	S	
S	½	R	
S	O	R	
S	O / 2 pts pitcher 9/23	R	

15181 110.	Bbt. 50/2x Gulfrose	2			
	D.D. 164910				
15182		4.5			
15183 111.	Bbt. 50/2x Gulfrose	2 Hel			
15184 112.	Bbt. 50/2 4 Gulfrose	2 Hel.			

Crowley Pan		Kelso	
S	O	R	
S	tr	R	
S	O	S	

15201	S.S. 164910	4		
15202 113.	Bbt. 50/2 x Gulfrose	2		
15203 114.	Bbt. 50/2 x Gulfrose	2		
15204	S.S. 164910	4,5		
15205 115.	Bbt. 50/2 x Gulfrose	3		
15206 116.	Bbt. 50/2 x Gulfrose	3		
15207	S.S. 164910	5		
15208 117.	Bbt. 50/2 x Gulfrose	3		

Cranley Pa		Kdw		
				12503
S	O		R	12502
S	to Bel. 30 Tree		S	12503
				12504
VS	O		S	12505
S	O pine grove		S	12506
				12507
S	O		S	12508

15209 118.	Bbt. 50/3 x Gulfrose	3		
15210	P.I. 164910	5		
15211 119.	Sujutla	3		
15212 120.	PI 244684 Dima	3 with Pigment Spot		
15213	P.I. 164910	5		
15214 121.	Stg. 608321 Nato x Z-Nira	3 ff	3 no	
15215 122.	Stg. 606250 Nova x Nato	3 ff	5 no	
15216	P.I. 164910	5		

Crosby		Kelso	
S	O	S	
S		R	
S^2		R	
S	190/270	VS	
S	470/2070	S	

15217 123.	Stg. 615925 Nova x Nato	2	1000	
15218 124.	Stg. 616011 Nova x Nato	2.3 4	500	
15219	P.D. 164910	5		
15220 125.	CI 9459 Nova	2 Hel	200	
15221 126.	Stg. 9459-21-3 Nova. Sel.	2 Hel.	200	
15222	P.D. 164910	5		
15223 127.	Stg. 9459-33-3 Nova Sel	2.3	D	
15224 128.	Stg. 9459-34-2 Nova Sel.	2.3	Pn	

Crowley Park		Kelso	
M	12/200	R	
S	140/400	S	
M	200/4	R	
M	200/4	R	
S	0/0	R	
S	160/100	R	

15225	S.D. 164910	5		
15226 129.	Stg. 611610-8 Lac x Z-Nira	2	2 ~~00~~	
15227 130.	Stg. 611610-8 Lac x Z-Nira	2	3 ~~00~~	
15228	S.D. 164910	5		
15229 131.	Stg. 61HB1498 Nova x Gulfrose	2	0	
15230 132.	Stg. 61HB 1499 Nova x Gulfrose	2	2 ~~00~~	
15231	S.D. 164910	5		
15232 133.	Stg. 616749 Nova x ArKrose	2 VS 3	2 ~~00~~	

Crosby Pa.		Kelso	
S	140 / 4	R(tus)	
M	0 / 400	R	
S	140 / 140	R	
S	240 / 240	M	
S	0 / 240	R	

15233 134.	Stg. 616789 Nova x ArKrose	2, 3		
15234	P.D. 164910	5		
15235 135.	Stg. 61D2772 Nova x CI 9198	3, 4	6 00	
15236 136.	Stg. 617644 Nova x CI 9198	3, 4	7 00	
15237	P.D. 164910	5		
15238 137.	Stg. 59D853-I (ey) Nova x CI 9358	2	4 00	
15239 138.	Stg. 607531 CI 9357 x Z	3	6 00	3, 10 bolls
15240	P.D. 164910	4, 5		

Cradley			Kelso
S(few)	0 Latent / often		M
S	0/404		VS
VS	400/870		VS
S(few)	400/8		R
S	100/4		S

15241 139.	Stg. 58D276 CI 231 x Z	2		
15242 140.	Stg. 58D352 CI 231 x Z	3		
15243	P.I. 164910	4,5		
15244 141.	Stg. 61D2226 Northrose x Zenith F_3	2		
15245 142.	Stg. 61D2615 Northrose x Zenith F_6	2		
15246	P.I. 164910	4,5		
15247 143.	Stg. 61D2551 Lac-Z x Northrose	3	1~	
15248 144.	Stg. 61D2562 Lac-Z x Northrose	2		

Crowley	Par	Kelso		
S	0/0	R		
S	640	S		
R	0/Fr	R		
R	0/0	R		
S	675/15	S		
S	290/4	R		

15249	P.I. 164910	5			
15250 146.	Stg. 576233 Lac x Z	2			
15251 146.	Stg. 605732 Stg. 55554-11 x Z	2			
15252	P.I. 164910	5			
15253 147.	Stg. 584378 Lac-5426A x Z UNH 2 CI 9534 NB-R	2			
15254 148.	Stg. 61HB1024 Lac-5426A x CI 9198	2			
15255	P.I. 164910	5			
15256 149.	Stg. 612373 CI 9509 x Ankrose F5	2, 3 4			

Crosby	Parr		Kelso		
S	Tr		R		
S	O		R		
S (Jew)	O		R		
R	O		R		
S	O		S		

15257	Stg 61D3990 CI 9509 x Arkrose F3	2		
150.		Hal		
15258	P.S. 164910	5		
15259	Stg 61D2848 Ark.-Bot. 50 x Northrose	3		
151.				
15260	Stg. 588365 Lac. x Caloro/3	3	15 mm	
152.		54		
15261	P.S. 164910	5		
15262	Stg. 609644 Lac. x Caloro/3	3, 4		
153.				
15263	Stg 609684 Lac. x Caloro/3	3, 4		
154.				
15264	P.S. 164910.	5		

Crowley		Kelso
S	O	R
S	tr	S
S	10	S
VS	—	VS
VS	—	VS

			Par
15265	CI 9386 Vegold	3	8 70
155.			
15266	CI 156-1 Caloro	4	
1.			
15267	P.I. 164910	5	
15268	CI 7787 Zenith	2	
2.			
15269	CI 8985 Lacrosse	3, 4	not Lac
3.			
15270	P.I. 164910	5	
15271	CI 5309 Intro., Phil.	2	
4.		† 3	
15272	PI 180061 Intro., India	2	0
5.		† 3	

Grady VS	P Com 6 yr/10		Kelso S Rotten	Neck
	0/270		S	
	0/0		R	
	Not here		—	
	0		R	
	0		R	

15273	S.J. 164910	5			
15274 6.	PI 201902 Intro. from India	2 Hel.			
15275 7.	PI 180182 Introd. Peru	2 Hel.			
15276	S.J. 164910	5			
15277 8.	PI 215936 Tainan-iku 487, Taiwan	3			
15278 9.	PI 184675 Introd, Iran	2			
15279	S.J. 164910	5			
15280 10.	CI 8998 Nato	3.7			

Pen	Kelsot
O	R
O	R
O	R
O	R
4 un / 4	S

15281	CI 9433 Belle Patna	3	10 ⅞	
11.		VF +		
15282	S.D. 164910	5-		
15283	CI 8993 CP 231	3		
12.				
15284	CI 8990 Bbt. 50	3		
13.				

	Pa		Kelvs		
	2000		S		1528
					1528
	15		S		1528
	0				1528

15301	P.I. 164910	4
15302 14.	CI 1344 Fortuna	3
15303 15.	CI 2702 Nira	2
15304	P.I. 164910	4, 5
15305 16.	CI 9439 4-II-8-14/2 x 322A6-23	3, 4
15306 17.	CI 9453 x CI 9187	3
15307	P.I. 164910	5
15308 18.	CI 9453 x CI 9187	2

Pa	Kelvin	
0		
0		
2	tr?	
4	tr	
4	R(tr)	

15309	CI 9453 × CI 9187	2			
19.					
15310	P.I. 164910	5			
15311	CI 9453 × CI 9187	2			
20.					
15312	CI 9187 × CI 9453	2			
21.					
15313	P.I. 164910	5			
15314	CI 9453 × CI 9187	2			
22.					
15315	CI 9453 × CI 9187	2			
23.		√3			
15316	P.I. 164910	5			

Pa		Kelso	
Tr		tr	
690		R	
270		tr	
270		S	
4m		M	

15317 24.	CI 9453 x CI 9187	2			
15318 25.	CI 9453 x Bbt 50	3			
15319	P.I. 164910	5			
15320 26.	CI 9453 x Bbt. 50	2			
15321 27.	CI 9453 x Bbt. 50	2 -53			
15322	P.I. 164910	5			
15323 28.	CI 9453 x Bbt. 50	3, 4			
15324 29.	Bbt. x PI 184675	2			

Par			Relsv		
2 yr			M		
0 Sat					
fr			M		
Sate					
0 Sat			S		
0			R		

15325	S.D. 164910	5			
15326 30.	Bbt x PI 184675	1			
15327 31.	Bbt. x PI 184675	2			
15328	S.D. 164910	5			
15329 32.	Bbt. x PI 184675	2			
15330 33.	Bbt x PI 184675	2			
15331	S.D. 164910.	5			
15332 34.	Bbt. x PI 184675	1, 2			

Pan		Kelso			
		R			
O		R			
O		R			
O Jda					
Ta		R			
4 70		R			

15333 35.	Bbt x PI 184675	1, 2			
15334	S.D. 164910	5			
15335 36.	Bbt x PI 184675	0			
15336 37.	Bbt x PI 184675	0			
15337	S.D. 164910.	5			
15338 38.	Bbt x PI 184675	2			
15339 39.	R-Z x Lacrosse	2 Hd.			
15340	S.D. 164910	5			

			Kdw		
O			R		
Tr			R		
240			R		
tr			R		
O?					
Mtns			tr		

			Pan
15341 40.	Rexoro x Bozu	2	
15342 41.	RR-Bozu x 132-848	2	1000
	S.D. 164910		
15343		5	
15344 42.	RR x 250-Mag	2	100
15345 43.	RR x R-252	2	100
	S.D. 164910		
15346		5	
15347 44.	R-Z x RR	2	0
15348 45.	RR x 250-Mag	2	0

		Kelso			
Lat 0					
—		S			
—		M			
5 4		R			
10		R			
Motor		R			

15349	S.D. 164910	5		
15350 46.	dk TPU x Bbt 50	3 14		
15351 47.	Rex x Loc	3 14	tr	
15352	S.D. 164910	5		
15353 48.	RZ 1512 x Lacrosse	2		
15354 49.	RD-Sadri x Loc-C253	3 14		
15355	S.D. 164910	5		
15356 50.	RD-Sadri x Loc-C253	3		

Pa — Kdw

Lot

Bater — S

O — R

M

S

15357 31.	RD-SAdri x Lac-C253	3, 4
	P.I. 164910	
15358		5
15359 32.	RD-Sadri x Lac-C253	3,4
15360 33.	RD-SAdri x Lac. C253	2
	P.I. 164910	
15361		5
15362 34.	RD-SAdri x Lac. C253	4
15363 35.	RD-SAdri x Lac. C253	2
	P.I. 164910	
15364		5

Kelso

M

M

R

S

R

15365 56.	RD-Sadri x Lac-C253	2		
15366 57.	RD-Sadri x Lac-C253	3 +x		
15367	P.I. 164910.	5		
15368 58.	RD-Sadri x Lac-C253	3+4		
15369 59.	RD-Sadri x Lac-C253	3		
15370	P.I. 164910	5		
15371 60.	RD-Sadri x Lac-C253	2 Hel.		
15372 61.	RD-Sadri x Lac-C253	2 Hel.		

Kelso

tr

M

S

M

R?

R?

15373	P.I. 164910	5			
15374 62.	RD-Sadri x Lac C 253	2 Hl.			
15375 63.	RD-Sadri x (7/8 Rex x TP49)	2 4 4 Hl.			
15376	P.I. 164910	5			
15377 64.	RD-Sadri x (4II-8-14 x R-252)	3 ft			
15378 65.	RD-Sadri x (4II-8-14 x R-252)	3			
15379	P.I. 164910	5			
15380 66.	RD-Sadri x (4II-8-14 x R-252)	3			

Kelso

M

S

S

S

15381 67.	Mo. R-500 x Nato	2		
15382	P.I. 164910	5		
15383 68.	CI 9442 Bbt x CP 231	3 vs + Hd.		
15384 69.	CI 9471 Irrad. Bbt. 50 Sel.	3 ++ Hd.		

Par	Kelvt
O?	R?
6??	S
O	S

15401	P.I. 164910	4			
15402 70	CP231 x 510-17	3 +4			
15403 71.	CP231 x PI 184812	2			
15404	P.I. 164910	5			
15405 72.	CI 9536 CI 9278 x TP	3 +4			
15406 73.	CI 9444 CI 9278 x TP	2 ✓+3,4			
15407	P.I. 164910	5			
15408 74.	CI 9534 CP231 x H0-12	0			

Par		Kelv				
Sun		S				
Tr Pow Ign Type		R				
O		?				
Tr		?				
O		R				

15409 75.	Bbt. 50 × HO-10	1, 2		
15410	S.D. 164910	5		
15411 76.	Bbt 50 × HO 10	2		
15412 77.	Bbt. 50 × HO-10	2		
15413	S.D. 164910	5		
15414 78.	Bbt. 50 × HO-341	2, 3 4 5 4		
15415 79.	CP 23 1/2 × HO-12	2		
15416	S.D. 164910	5		

Par		Kdw				
O		R				
O		R				
O		R				
O		S				
O		?				

15417 80.	CP231/2 x H0-12	2		
15418 81.	CP231/2 x H0-12	2		
15419	P.I. 164910	5		
15420 82.	CP231 x (CBt x H0-10)	2		
15421 83.	CI 9538 CI 9214 x CI 9383	2	100	
15422	P.I. 164910	5		
15423 84.	CI 9214 x CI 9383	2	300	
15424 85.	CI 9214 x CI 9383	2		

Wavelength		Kelvin	
	0	R.	
	0	R	
	0	?	
	1500	S	
	1000	S	
	2000	S	

Medium 9/23/43

15425	S.D. 164910	5	
15426 86.	CI 9214 × CI 9383	2 vf 2,4	10 mo
15427 87.	CI 9488 CI 9214 × CI 9383	2	6 mo
15428	S.D. 164910	5	
15429 88.	CI 9537 CI 9214 × (CP 231 × CI 9122)	2	4 mo
15430 89.	CI 9487 CI 9214 × (CP 231 × CI 9122)	2, 3	3 mo
15431	S.D. 164910	5	
15432 90.	CI 9490 CI 9214 × (CP 231 × CI 9122)	2 vf 3,4	3 mo

Gravel Pan	Kelso		
20 mm	S		
20 mm	S		
th/10	M		
10 mm	S		
20 mm	S		

15433 91.	CI 9544 CI 9214 x (CP 231 x CI 9122)	2 vf 3, 4	fr
15434	P.I. 164910	5	
15435 92.	PI 215936 x (CP 231 x CI 9122)	3, 4	
15436 93.	PI 215936 x CI 9214	3 vf 4	
15437	P.I. 164910	5	
15438 94.	PI 215936 x CI 9214	3, 4	
15439 95.	PI 215936 x CI 9214	3, 4	
15440	P.I. 164910	5	

Pa		Kelvet	
0			
1/10		S	
0			
Tw		S	
6		S	
3		S	

15441 96.	PI 215936 x CI 9214	3		
15442 97.	CI 9545-2 PI 215936 x CI 9214	2, 3		
15443	P.I. 164910	4, 5		
15444 98.	CI 9545-7 PI 215936 x CI 9214	3, 4		
15445 99.	Bbt. 50/2 x Gulfrose	2		
15446	P.I. 164910	5		
15447 100.	Bbt. 50/2 x Gulfrose	2, 3 5 4		
15448 101.	Bbt. 50/2 x Gulfrose	2, 3		

Par		Kelso			
O		R			
Tr		S			
Tr		S			
O		✓			
O		✓			
O					

15449	P.I. 164910	5		
15450 102.	Bbt. 50/2 y Gulfrose	3		
15451 103.	Bbt. 50/2 y Gulfrose	2, 3 + 4		
15452	P.I. 164910	5		
15453 104.	Bbt. 50/2 x Gulfrose	3 + 4		
15454 105.	Bbt. 50/2 x Gulfrose	3, 4		
15455	P.I. 164910	5		
15456 106.	Bbt. 50/2 x Gulfrose	3		

Par		Kelv			
0					
0					
0					
0					
0					

15457 107.	Bbt. 50/2 x Gulfrose one 2 colour	2		
	P.D. 164910			
15458		5		
15459 108.	Bbt 50/2 x Gulfrose	2		
15460 109.	Bbt 50/2 x Gulfrose only 3 col. S1. S1 var	2		
	P.D. 164910			
15461		5		
15462 110.	Bbt 50/2 x Gulfrose	2		
15463 111.	Bbt 50/2 x Gulfrose	2		
	P.D. 164910			
15464		5		

Gonly Pen Kelso

0 to

0

0/0? M

0

[illegible]

0

15465 112.	Bbt 50/2 x Gulfrose	2, 3			
15466 113.	Bbt 50/2 x Gulfrose	2			
15467	P.D. 164910	5			
15468 114.	Bbt. 50/2 x Gulfrose	2, 3 VF X			
15469 115.	Bbt 50/2 x Gulfrose	3 f x			
15470	P.D. 164910	5			
15471 116.	Bbt 50/2 x Gulfrose	2, 3			
15472 117.	Bbt. 50/2 x Gulfrose	2			

15473	P.I. 164910	5		
15474 118.	Bbt 56/3 × Gulfrose	3 vf 4		
15475 119.	Tajutla	2, 3		
15476	P.I. 164910	5		
15477 120.	PI 244684 Dima	2, 3 with pigment spot		
15478 121.	Stg. 608321 Nato × Zenith	3, 4	0	
15479	P.I. 164910	5		
15480 122.	Stg. 606250 Nova × Nato	3	5 no 3 to Bud	

Cooling per		Kelvin		
	0			
	0/12	S		
	500/600	M		

15481 123.	stg. 615925 Nova x Nato	2	1 ~	
15482	P.I. 164910	5		
15483 124.	stg. 616011 Nova x Nato	2. Some x	0	
15484 125.	CI 9459 Nova	2	2 ~	

Coal
Pa
Tr
1070
Kelso
M

10 mi
20
S

200
270
tr

15501	P.D. 164910	4		
15502 126.	Stg. 9459-21-3 Nova Sel.	2	1a	
15503 127.	Stg. 9459-33-3 Nova Sel.	2	1a	
15504	P.D. 164910	4, 5		
15505 128.	Stg. 9459-34-2 Nova Sel.	2	0	
15506 129.	Stg. 611610-8 Lac x Z-Nira	2	0	
15507	P.D. 164910	5		
15508 130.	Stg. 611610-8 Lac x Z-Nira	2 4, 3, 7	1a?	

Pan	Kelvin	
100 / 200	tw	
200 / 300	tw	
400 / 600	M	
2 nd / 4	M	
500 / 10	S	

15509 131.	Stg. 61HB1498 Nova x Gulfrose	2	0
15510	P.I. 164910	5	
15511 132.	Stg. 61 HB 1499 Nova x Gulfrose	2	0
15512 133.	Stg. 616749 Nova x Arkrose	2	0
15513	P.I. 164910	5	
15514 134.	Stg. 616789 Nova x Arkrose	2.3 5 4	
15515 135.	Stg. 61D2772 Nova x CI 9198	3	0
15516	P.I. 164910	5	

Pen / O / Fr	Kelso	
	R	
140 / 470	R	
Fr / Fr	R	
Ida / O	Fr	
O / Fr	Fp	

15517 136.	Stg. 617644 Nova x CI 9198	4	2 no	
15518 137.	Stg. 59D853-I(ex) Nova x CI 9358	2	5 no	
15519	P.I. 164910	5		
15520 138.	Stg. 607531 CI 9257 x Z	3 +4	10 no	
15521 139.	Stg. 58D276 CP 231 x Z	2		
15522	P.I. 164910	5		
15523 140.	Stg. 58D352 CP 231 x Z	3		
15524 141.	Stg. 61D2226 Northrose x Z F_3	2		

	Kelso	
570 pour gravel	S	
440 / 10	M	
140 / 10	M	
0 / tr	R	
2040	S	
0 / 0	M	

15525	P.I. 164910	5		
15526 142.	Stg. 61D2515 Northrose x Z F6	2		
15527 143.	Stg. 61D2551 Lac-Z x Northrose	3, 4	tr	
15528	P.I. 164910,	5		
15529 144.	Stg. 61D2563 Lac-Z x Northrose	2		
15530 145.	Stg. 576233 Lac x Z	2 vf3		
15531	P.I. 164910	5		
15532 146.	Stg. 605732 Stg. 55554-11 x Z	2		

Conductor	Fan		Kelvin		
	0/0		R		
	270/1570		S		
	7a/570		kv		
	0		kv		
	0		R		

15533	Stg. 584378 Lac-5426A-x-Z	2		
147.				
15534	P.J. 164910	5		
15535	Stg 61HB1024 Lac-5426A x CI 9198	2		
148.				
15536	Stg. 612373 CI 2509 x Arkrose F3	2,3		
149.				
15537	P.J. 164910	5		
15538	Stg 61D3990 CI 2509 x Arkrose F3	2		
150.				
15539	Stg. 61D2848 Ark-Bbt 50 x Northrose	3		
151.		54		
15540	P.J. 164910	5		

Pan		Kelso
270		R
0		R
0		S
0		R
0		M

15541 152.	Stg. 588365 Lac x Caloro/3	3 3 7	4 n v	
15542 153.	Stg. 609644 Lac x Caloro/3	2		
15543	P.I. 164910	5-		
15544 154.	Stg. 609684 Lac x Caloro/3	3, 4	tr	
15545 155.	CI 9386 Vegold	3 vf 4	0 n 1	
15546	~~P.I. 164910~~ " 5309	2		
15547	C.I. 5309.	2		
15548	C.I. 5309.	2		

Par 340 / 150	Kelvo	S
—	R??	
—	R??	
340 / 154		S

15549	C.I. 5309.	2		
15550	C.I. 5309.	2		
15551	C.I. 5309.	2		
15552	C.I. 5309.	2		
15553 Hn. 8/23/63	C.I. 8970(S)	4		
15554 Hn	C.I. 8970(S)	4		
15555 Hn	C.I. 8970(S)	4		
15556 Hn	C.I. 8970(S)	4		

15557	C.S. 8970(S) Kn	4		
15558	C.S. 8970(S) Kn	4		
15559	C.S. 8970(S) Kn	4		
15560	C.S. 8970(S) Kn	4		
15561	L.S. 180,061	2		
15562	L.S. 180061.	2		
15563	L.S. 180061.	2		
15564	L.S. 180061.	2		

15565	P.D. 180061,	2		
15566	P.D. 180061,	2		
15567	P.D. 180061,	2		
15568	P.D. 180061,	2		
15569 H~ 8/23/63	E.J. 8970 (P)	3		
15570 H~	E.J. 8970 (P)	3		
15571 H~	E.J. 8970 (P)	3		
15572 H~	E.J. 8970 (P)	3		

15573 Hw	C.S. 8970 (P)	3 VS +	
15574 Hw	C.S. 8970 (P)	3	
15575 Hw	C.S. 8970 (P)	3	
15576	L.S. 201902,	2 Hel.	
15577	L.S. 201,902,	2 Hel	Susceptible to Helminthosporium
15578	L.S. 201902,	2 Hel	
15579	L.S. 201902	2 Hel	
15580	L.S. 201902	2 Hel	

15581	P.D. 201902	2 Hd		
15582	P.D. 201902	2 Hd	Susp to Helminthosp	
15583	P.D. 201902	2 Hd		
15584	P.D. 201902	2 Hd		

Angley: Plant Var

	9/6 Rom
M.O. 207	tr
Asahi	
B.P.	1500
Calar.	200
Nato	
PI 215736	
CI 9444	
Sulfur.	tr

1963 variety-fertilizer test.

			8/22/63	
		80#N	HO	CO
1101	B571A1-32-7 PI 215936 x [CP 231 x (Hill Sel-Blt.)] (241)	101 230	S-t₂ S-1	S-2 S-2
1102	B573a1-2-5 " 215936 x " 9402. (307)	103 206	S-2 S-2+	S-1 S-1
1103.	B581a6-181-1, CP.231/3 x Bbt/2 x " 215936. (7719 / 7721)	105. 225.	S-t₂ S-t₂	S-1 S-1
1104.	B586a1-10-2. Bbt.50 x " 215936, (7614) sterility Bad	108. 204.	S-3 S-3	S-1 S-1
1105.	B5818a15-8.9. G. Rose x " 215936. (261)	109. 217.	S-1 S-1	R-0 S-t
1106.	B5818a15-101-2, G. Rose x " 215936, (7577)	112 209.	S-2 S-2+	R-0 R-0
1107.	B5816a13-9-1, G. Rose x 2 x (Br/3 x R) (7131)	113. 224.	S-2 S-2	R-0 R-0
1108.	Nova, (1)	116. 211.	S-3 S-3	R-0 R-0

1963 Variety - V

			8/22/63	
		16th N	HO	C.O
1101	B571A1-32-7 PI215936 X [CP231 x (Hills Sd - Blt.)] (241)	102 229	S-1½ S-1½	S-2 S-2
1102	B573A1-2-5 "215936 ✓ "9402. (307)	104, 205.	S-2 S-2+	S-1 S-1
1103.	B581A6-181-1, CP.231/3 ✓ Blt/2 ✓ "215936. (7719/7721)	105, 226.	S-1½ S-1½	S-1½ S-1½
1104,	B586A1-10-2. Blt. 30 ✓ "215936, (7614) S+3 B0	107, 203,	S-3 S-3+	S-1½ S-1
1105,	B581A15-89. G. Rose ✓ "215936. (261)	110, 218.	S-1 S-1+	R.O R.O
1106.	B581A15-101-2, G. Rose ✓ "215936. (7577)	111, 210,	S-2 S-2+	R.O R.O
1107,	B581A13-9-1, G. Rose ✓ 2 ✓ (Blt/3 ✓ " (7131)	114, 223.	S-1 S-2	R.O R.O
1108.	Nova. (7)	115, 212.	S-3+ S-3	R.O R.O

		A. 80 #N.	I/O	I.O.
1109.	Y/ato	118.	S-2	S-t2
		222.	S-2	S-t2
	(Fd)			
1110.	B572a3-28-4.	120.	S-1	S-1
	"213936 Y "9214.	201.	S-2	S-t2
	(271)			
1111.	B572a3-47-5-5-R5.	121.	S-24	R-1
	"213936 Y "9214.	227.	S-2	S-t2
	(615)			
1112.	B546402-90-1-2-2	124.	S-4	R-0
	Hyb. mif Y	231.	S-4	R0
	Red cp. 231.		R.O.	
	(289)			
1113.	B573a1-2-5-2-1.	125.	S-3	S-1
	"213936 Y "9402.	233.	S-3	S-1
	(6117)			
1114.	B573a2-1-1-1-2.	127.	S-1	R-0
	"213936 Y "9402.	207.	S-1	R.0
	(614)			
1115.	B573a4-20-6-1-2.	130.	S-24	S-1
	"213936 Y "9402.	216.	S-1	S-1
	6204			
1116.	B5832a1-4-2.	131.	R-1	R-0
	cp. 231 Y Dima	219.	R/S-1	R-0
	(2710, 11)			
1117.	B5335a3-10-3	134.	R-1	R-1
KS	Bkc. 20 Y H0341.	213.	MR-1	R.1
	(322)			

		160#N.	HO	C.O.
1109.	Y/ato	117.	S-24	S-1
		221.	S-2	S-1
	(Fd)			
1110.	B572a3-28-4.	119.	S-2	S-1
	"215936 Y "9214,	202.	S-2	S-1
	(271)			
1111.	B572a3-47-5-5-R5,	122.	S-2	S-1
	"215936 Y "9214,	228.	S-2	S-1
	(615)			
1112.	B546a2-90-1-2-2	123.	S-4	R-0
	Flyb. mif Y	232.	S-4	R-0
	Red cp. 231.			
	(289)			
1113.	B573a1-2-5-2-1,	126.	S-2	S-1
	"215936 Y "9402,	234.	S-3	S-1
	(617)			
1114.	B573a2-1-1-1-2,	128.	S-2	R-0
	"215936 Y "9402,	208.	S-1	R-0
	(614)			
1115.	B573a4-20-6-1-2.	129.	S-2	S-1
	"215936 Y "9402.	215.	S-1	S-1
	6204			
1116.	B583a1-4-2.	132.	R-1	R-0
	cp. 231 Y Dima	220.	R-1	R-0
	(2710, 11)			
1117.	B5835a3-10-3	133.	R-1	R-1
	Bcc. 50 Y HO 341.	214.	HR-1	R-1
	(332)			

		80#N	H.O.	P.O.
1121.	B571a1-3-8-4-1, "215936 ∀ [C Hill Sel. ∀ Bat.)] (3743, 44)	301, 408	S-2 S-2	S-1 S-2
1122.	B571a1-40-4, "215936 ∀ [Cp 231 ∀ (Hill Sel. ∀ Bat.) (303)	303. 424.	S-1 S-1	S-1 S-1
1123.	B571a2-21-10 "215936 ∀ (Cp 231 ∀ Hill Sel. ∀ Bat.)] (304)	305. 430.	S-1 S-1	R-O R-O
1124.	B571a1-23-2-1, "215936 ∀ [Cp 231 ∀ (Hill Sel. ∀ Bat.)] (305)	307. 417.	S-1 S-1	R-O R-O
1125.	B571a2-9-4-1, "215936 ∀ [Cp 231 ∀ (Hill Sel. ∀ Bat.) (3806 / 3807)	310. 412.	S-3 S-2	S-1 S-1
1126.	B581a4-15, (Cp. 231 1/3 ∀ Bat.)/2 ∀ "215936. (248)	312. 421.	S-1½ S-1½	S-1 S-1½
1127.	B581a6-161, (Cp. 231 1/3 ∀ Bat.)/2 ∀ "215936. (249)	314. 404.	S-1 S-2	R-O S-1½
1128.	B581a6-281, (Cp. 231 1/3 ∀ Bat.)/2 ∀ "213936. (250)	316. 431.	S-2 S-1½	S-1 S-1

		160#N	H.O	C.O
1121.	B571a1-3-8-4-1, "215936 ¼ [Hill Sel. ¼ Bkt.)] ¼ (3743, 44)	302, 407,	S-2 S-2	S-1 S-½
1122.	B571a1-NO-4, "215936 ¼ [Cp 231 ¼ (Hill Sel. ¼ Bkt.) (303)	304, 423,	S-1 MR-1	S-1 S-1
1123.	B571a2-21-10 "215936 ¼ (Cp 231 ¼ Hill Sel. ¼ Bkt.)] (304)	306, 429,	S-1 S-1	R-D R-D
1124.	B571a1-23-2-1, "215936 ¼ [Cp 231 ¼ (Hill Sel. ¼ Bkt.)] (305)	308, 418,	S-1 S-1	R-D R-D
1125.	B571a2-9-4-1, "215936 ¼ [Cp 231 ¼ (Hill Sel. ¼ Bkt. (5806 / 5807)	309, 411,	S-24 S-3	S-1 S-1
1126.	B581a4-15, (Cp. 231 1/3 ¼ Bkt.)/2 ¼ "215936. (248)	311, 422,	S-1 S-1	S-1 S-1
1127.	B581a6-161, (Cp. 231 1/3 ¼ Bkt)/2 ¼ " 215936. (249)	313, 403,	S-2 S-2	S-½ S-½
1128.	B581a6-281, (Cp. 231 1/3 ¼ Bkt.)/2 ¼ " 215936. (250)	315, 432,	S-2 S-1	S-1 S-1

		80 #N.	NO.	P.O.
1129.	B581a6-458, (cp. 231/3 ¼ Blt.)½ ¼" 215936. (231)	317. 402.	S-1 S-2	S-1 S-1
1130.	B581a6-473-2, (cp. 231/3 ¼ Blt.)½ ¼" 215936. (234)	319. 406.	S-2 S-2	S-1 S-tr
1131.	B581a6-545-2-2. (cp. 231/3 ¼ Blt)½ ¼" 215936. (7753) V. sh. strong odor plus	322. 428.	S tr S-tr	R.O
1132.	C.J. 9545. (65)	323. 410.	S-2 S-2	R-O R-O
1133.	B571la2-42-4. (cp. 231/3 ¼ Blt.) ¼" 215936. (244.)	325. 416.	S-2 S-2	R.O S-tr
1134.	B571la1-18-5-2. (cp. 231/3 ¼ Blt.) ¼" 215936. (6232)	328. 420.	S tr S-tr	S-1 S-1
1135.	B286a3-1-2, Blt. 30 ¼" 215936. (7621-22)	330. 434.	S-1 S-1	S-2 S-3
1136.	G. Row ¼" 215936. B581815-51-3, (7515)	331. 426.	S 1 S-1	S-tr R.O
1137.	Cent. Pat. "8993. (54)	334. 413.	S-1 S-1	S-1 S-1

		160# N.	H.O	C.O
1129.	B58126-458, (cp. 231/3 ¥ Blt.)½ ¥ "215936. (231)	318. 401.	S-1 S-2	S-tr S-1
1130.	B58126-473-2, (cp. 231/3 ¥ Blt.)½ ¥-215936. (234)	320. 405.	S-2 S-2	S-tr S-1
1131.	B58126-343-2-2. (cp. 231/3 ¥ Blt)½ ¥ "215936. (7753) V.S.L. Strong G.G.	321. 427.	S tr S-tr+	R-O R-O
1132.	C.J. 9548. (65)	324. 409.	S-2 S-2+	R-O R-O
1133.	B57112-42-4. (cp. 231/3 ¥ Blt.) ¥ "215936. (244.)	326. 415.	S-2 S-2	R-O R-O
1134.	B57112-18-3-2 (cp. 231/3 ¥ Blt.) ¥. "215936. (6232)	327. 419.	S tr S-tr+	S-1 S-2
1135.	B28625-1-2, Blt. 50 ¥ "215936. (7621-22)	329. 433.	S-1 S-1	S-2 S-2+
1136.	C. Rose ¥ "215936. B58125-51-3, (7513)	332. 425.	S-1 S-1	S-tr R-O
1137.	Cent. Sat. "8893. (54)	333. 414.	S-1 S-1	S-1 S-1

		80#N.	NO.	C.O
1141.	B572a3-47-5-3-3 "215936 4" 9214.	501. 618.	S-2-1 S-2	R.O R.O
	(6033)			
1142.	B572a3-47-15-2-2, "215936 4" 9214.	504. 623.	S-2 S-2	R.O R.O
	(6065)			
1143.	B572a2-10-3-1-2, "215936 4" 9214.	505. 614.	S-1 S-1	S-1 S-1
	(5908.)			
1144.	B572a3-47-2, V. clear Julian (273)	508. 615.	S-1-1 S-1	S-1 S-1
1145.	B572a3-22-6-3-2, "215936 4" 9214.	510. 634.	S-1-1 S-1	S-1-1 S-1-1
	(5930)			
1146.	B572a3-22-8-2-1, "215936 4" 9214.	512. 631.	S-1 S-1	S-1-1 S-1-1
	(5935)			
1147.	B572a3-11-4-3-1, "215936 4" 9214.	513. 611.	S-1-1 S-1	S-1-1 S-1
	(6212)			
1148.	B573a2-4-3-2-3, "215936 4" 9214.	516. 622.	S-1 S-2	R.O R.O
	(6154)			

		160 #N.	N.O.	C.O
1141.	B572a3-47-3-3-3 "215936 4 "9214. (6033)	502. 617.	S-1 S-2	R.O S-1-4
1142.	B572a3-47-15-2-2, "215936 4 "9214. (6065)	503. 624.	S-2 S-1-4	R.O R.O
1143.	B572a2-10-3-1-2, "215936 4 "9214. (5908.)	505. 613.	S-1 S-1	S-1 S-1
1144.	B572a3-47-2, V. clear blaze (273)	507. 616.	S 1-4 S-1	S-1 S-1
1145.	B572a3-22-6-3-2, "215936 4 "9214. (5930)	509. 633.	S-1 S-1	S-1-4 S-1
1146.	B572a3-22-8-2-1, "215936 4 "9214. (5935)	511. 632.	S-1-4 S-1	S-1-4 S-1-4
1147.	B572a3-11-4-3-1, "215936 4 "9214. (6212)	514. 612.	S-1-4 S-2	S-1-4 S-1
1148.	B573a2-4-3-2-3, "215936 4 "9214. (6154)	518. 621.	S-1 S-2	R.O R.O

		80#N		
			110	PO
1149.	B583a1-63-1-3.	517.	R-1	R.O
	Bdr. 50 & Dima.	605.	S-2	R.O
	(2414)			
1150.	B583a1-68-2-1,	520	R-1	R-½
	Cp. 231 & Dima.	628.	R-1	R-½
	(2903.)			
1151.	B572a2-7-3-1-5.	521.	S-2	R.O
	"215936 & "9214.	619.	S-2	R.O
	S/Quilts			
	(B879)			
1152.	Cent. Sat. 231.	524.	S-1	S-2
		601.	S-2	S-1
	(Fd) Bader			
1153.	B563a1-7-3,	526.	S-1	S-2
	Imad. C.p. 231.	630.	S-1	S-2
	DW & Ref.			
	(294)			
1154.	B545a1-61-3,	528.	S-½	R.O
	Cp. 231/2 & H612	607.	S-½	R.O
	(323)			
1155.	B5334a1-25-1,	529.	S-½	R.O
	Cp. 231 & "9259.	626.	S-½	S-½
	(324)			
1156.	B5380a1-13,	531.	S-1	S-½
	C.P. 231 & S10-17.	609.	S-1	S-½
	(825)			
1157.	B5333a2-21-3,	534	R-½	R-O
	C.p. 231 & HO-341.	603.	S-½	R-O
	(317)			

		160#N		
			No	PO
1149.	B583a1-63-1-3.	518	R-1	R-0
	Bdt. 30 & Dima.	603.	S-~	R-0
	(2414)			
1150.	B583a1-68-2-1,	519.	R-1	R-½
	Cp. 231 & Dima.	627.	MR-1	R-½
	(2903.)			
1151.	B572a2-7-3-1-5.	522.	S-2	R-0
	"215936 & "9214.	620.	S-2+	S-½
	Stanitz			
	(5879)			
1152.	Cent. Sch. 231.	523.	S-1	S-~
		602.	S-1	S-1
	(Fd) Bode			
1153.	B563a1-7-3,	525.	S-1	S-~
	Imad. C.P. 231.	629.	S-1	S-~
	DW & Ref.			
	(294)			
1154.	B545a1-61-3,	527.	S-½+	R-1
	Cp. 231½ & H612	608.	S-½	R-1
	(323)			
1155.	B5334a1-25-1,	530.	S-½	R-0
	Cp. 231 & "9259.	625.	S-½	R-0
	(324)			
1156.	B5380a1-15,	532.	S-1	S-½
	C.P. 231 & S10-17.	610.	S-1	S-½
	(325)			
1157.	B5333a2-21-3,	533	R-½	R-0
	Cp. 231 & H0-341.	604	S-½	R-0
	(317)			

		80# N.		
			160	P.O
1161.	B3818215-20-3,	702.	S-2	R-O
	G. Rose 4 "215936,	824.	S-3	R-O
	(7468)			
1162.	Taching Nat. #1.	703	S-2	S-Tr
	" 271672.	833.	S-3	R-O
1162-B	"275426, 8834. 8746.	Sterility		
1163.	Chia-Nung-242.	705.	S-2	R-O
	"275,423.	809.	S-2	R-O
	not sterile (8740)			
1164.	Jaching-176.	707.	S-3	RO
	"275,429.	805.	S-2-1	S-Tr
	(8816)			
1165.	"215936.	710.	S-3	R-O
		821.	S-3	R-O
	(64)			
1166.	C.D. 9545.	712,	S-3	R-O
		828.	S-3	S-Tr
	(65)			
1167.	Brt. 50.	713.	3-2	S-3.
	"8990.	804.	S-2	S-2
	(Fd)			
1168.	B37324-10-1-3-3.	715.	S 1	S 1
	"215936 4 "9402.	831.	S-2	S-1
	(6170)			

		160#N	NO.	C.O.
1161.	B5818a13-20-3,	701.	S-2	R-O
	G. Rose 4 "215936,	823.	S-2	R-O
	(4468)			
1162.	Taching Nat. #1.	704.	S-2	S-1
	"275472.	834.	S-3	R-O
1162-B	"275426, 8834. 8746.			
1163.	Chia-Nung-242.	705.	S-2	R-O
	"275,423.	810.	S-2	R-O
	not stocky (8740)			
1164.	Jaching-176.	708.	S-3	R-O
	"275,429.	806.	S-3	S-tr
	(8816)			
1165.	"215936.	709.	S-2	R-O
		822.	S-3	R-O
	(64)			
1166.	C.D. 9545.	711.	S-3	R-O
		827.	S-3	R-tr
	(65)			
1167.	Bkt. 50.	714.	S-2	S-3
	"8990.	803.	S-2-4	S-2
	(Fd.)			
1168.	B573a4-10-1-3-3,	716.	S-1	2-1
	"215936 4 "9402.	832.	S-2	S-1
	(6170)			

		80#N.	H.O	C.O
1169.	B5111a1	717.	S 1	S-1
	cp. 231 ∀ Zayas Baza	802.	S-1	S-1
	7956.			
1170.	B572a3-38-7-3-2,	720.	S-2	S-2
	"215936 ∀ "7214,	811.	S-1	S-2
	6001,			
1171.	B585a1-29-1-1,	721.	S-2	S-1
	Blt. 50 ∀ Dima.	829.	S-2+	S-1½
	(291)			
1172.	B585a1-62-1-2,	724.	S-3	R-0
	Blt. 50 ∀ Dima.	807.	MR-3	R-0
	(2406,07)			
1173.	B585a1-63-1-1.	725.	S 1	S-1½
	Blt. 50 ∀ Dima.	817.	S-2	S-1½
	(2408)			
1174.	B5617a26-5-1-2,	728.	S 1½	S-1
	Red ½ ∀ "183,331,	825.	S-1+	S-1
	(2158.59)			
1175.	B5617a36-69-2-2,	730.	S-2+	R-0
	Red ½ ∀ " 183,331.	815.	S-2	S-1½
	(292)			
1176.	B5617a40-24-2,	732.	S 1	S-1
	Red ½ ∀ "183,331,	820.	S-2	S-1
1177.	B5617a1-48-3-1,	733.	S-1	R-0
	Red ½ ∀ "183331.	814.	S-2+	R-0
	½ (2076-77)			

		160#W.	HD.	C.O
1169.	B5111a1	718.	S-1	S-1
	Cp. 231 ℄ Zayas Bazan.	801.	S-1	S-1
	7956.			
1170.	B572a3-38-7-3-2,	719.	S-2	S-2
	"213936 ℄ "7214,	812.	S-1	S-2
	6001,			
1171.	B585a1-29-1-1,	722.	S-2	S-1
	Bat. 50 ℄ Dima.	830.	S-3	S-1
	(291)			
1172.	B585a1-62-1-2,	723.	S-3	R.O
	Bat. 50 ℄ Dima.	808.	MR-3	R.O
	(2406,07)			
1173.	B585a1-63-1-1,	726.	S-2	S-½
	Bat. 50 ℄ Dima.	818.	S-2	S-½
	(2408)			
1174.	B5617a26-5-1-2,	727.	S-½	S-1
	Red ½ ℄ "183,331,	826.	S-½	S-1
	(2158.59)			
1175.	B5617a36-69-2-2,	729	S-2	S-½
	Red ½ ℄ " 183,331,	815. 816?	S-2+	S-½
	(292)			
1176.	B5617a40-24-2,	731.	S-1	S-1
	Red ½ ℄ "183,331,	819.	S-2	S-1
1177.	B5617a1-46-3-1,	734.	S-2	R.O
	Red ½ ℄ "183331,	813.	S-2	R.O
	(2076-77)			

1201.	Sel. # 10. Cody & "160.878. (8403)	141. 330.		
1202.	Sel. #16. Cody & 160,878. (8409)	142 334.		
1203.	Sel. No. 24. Cody & "160,878. (8416)	143. 346.		
1204.	Sel. #42. Cody & "160.878. (8424)	144. 353.		
1205.	"226.182. (8430)	145. 443.		
1206.	Sel. #28. Cody & "160.878. (8446)	146. 452.		
1207.	Cal. 461629-1, (Col & A. Mochi) & Cal/3 (8554)	147. 354.		
1208.	Cal.-461629-1-3, (Col & A. Mochi & Cal/3 (8460)	148. 450.		

1209.	Cal.-1416a9-1-4, (col. & A. Mochi & Cal/3. (8464)	149. 342.		
1210.	Mochi Dome	150. 351. (8478-79)		
1211.	Cal:-B563a1, (col. & A. Mochi & Cal/4. (8303)	151. 332.		
1212.	Cal. 556 4a2. (Col & A. Mochi & Cal/4. (8313)	152. 544.		
1213.	Cal.-556 5a1. (col. & A. Mochi) & Cal/4. (8324)	153. 548.		
1214.	Cal.-556 3a2. (col. & A. Mochi) & Cal/4. (8326)	154. 442.		
1215.	Cal. 552 9a1. (col. & A. Mochi & Cal/4 (8332).	241. 446.		
1216.	Cal. & A. Mochi & Cal/4. (8335)	242. 454.		

1217.	Cal.-553023. (Cal. & A. Mochi & Calif. (8547)	243. 449.		
1218.	Mochi-Gorni (8549-84)	244. 453.		
1219.	"215,864, (8601)	245. 353.		
1220.	Crowley-7362. (8618-20)	246. 448.		
1221.	"160,871, (8634-35)	247. 445.		
1222.	"160,648 (8649)	248. 549		
1223.	"215864 (8719)	249. 451.		
1224.	Calif Reida (Fam. #1) (8725)	250. 545.		

1225.	"160. 334	251. 351.		
	(8728)			
1226.	Kotokuki Mochi.	252. 341.		
	(9510)			
1227.	Jakei Mochi	253. 444.		
	(9511)			
1228.	Taichung Mon-Hua-Shih	254. 352.		
	"248, 486.			
	(9578)			
1229.	Cal. 462621-13-3,	341. 447.		
	(20,424)			
1230.	Crowley 4711-1,	342. 547.		
	(20423)			
1231.	Wang C.P. 231.	343. 441.		
	20,421.			
1232.		344.		
	(C5560)			

1233.		345.		
	(C5561)			
1234.		346.		
	(C5563)			
1235.		347.		
	(C5566)			
1236.		348.		
	(C. 5568)			
1237.		349.		
	(C5569)			
1238.	Milketan #21 " 260, 662	350. 243.		
	(616)			

Hilsel.. x CTP x R— SBR

1963 RICE NURSERY
PATHOLOGY

CR FORM
FEB. 1958 6

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Crops Research Division

FIELD NOTEBOOK
AGRONOMIC NOTES

If found, please tie securely and return to

DR. JOHN G. ATKINS, USDA-ARS-CR
(Employee's Name)

Route 5, Box 366
(Street Address)

BEAUMONT, TEXAS
(City and State)

U. S. GOVERNMENT PRINTING OFFICE 16—53084-2

1963 UNIFORM YIELD NURSERY

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.

Size.....1/20 acre.

SOIL

Kind.....Prairie loam.

Position.....Somewhat rolling.

Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....

Disk..... Osborn.....Sharp.

Harrow..... U Bar.....Good.

Seeder..... Monitor.....Good.

.....

SEED

Variety.....Variable.

Weight per bushel.....Variable.

Source.....Variable.

Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half).....4–6–'08.
2. Disked (lapped half).....4–10–'08.
3. Harrowed.....4–10–'08.
4. Harrowed.....4–27–'08.
5. Seeded.....4–27–'08.
6. Harrowed.....4–27–'08.

SEEDING

Manner.....Drilled.

Date.....4–27–'08.

Rate.....3 bushels per acre by weight.

U. S. GOVERNMENT PRINTING OFFICE 16—53084–1

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

---------- TEST OF ----------, 19------

CONDITIONS OF EXPERIMENT

PLOT

Location----------

Size----------

SOIL

Kind----------

Position----------

Previous crop----------

NAME AND CONDITION OF MACHINERY

Plow----------

Disc----------

Harrow----------

Seeder----------

SEED

Variety----------

Weight per bushel----------

Source----------

Treatment----------

SEED BED

Preparation:

1. ----------
2. ----------
3. ----------
4. ----------
5. ----------
6. ----------

SEEDING

Manner----------

Date----------

Rate----------

16—53084-2

---------- TEST OF ----------, 19------

CONDITIONS OF EXPERIMENT

PLOT

Location----------

Size----------

SOIL

Kind----------

Position----------

Previous crop----------

NAME AND CONDITION OF MACHINERY

Plow----------

Disc----------

Harrow----------

Seeder----------

SEED

Variety----------

Weight per bushel----------

Source----------

Treatment----------

SEED BED

Preparation:

1. ----------
2. ----------
3. ----------
4. ----------
5. ----------
6. ----------

SEEDING

Manner----------

Date----------

Rate----------

16—53084-2

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-2

GROUP I: 1963 UNIFORM YIELD NURSERY

1.	1600	Colusa
2.	9554	Stg. 584378 Stg. Lac-5426A x Z Large good [illegible] Sh. Straw & Strongly
3.	5883	Early Prolific
4.	9481	Stg. 582114 Lac x Zenith-Nira
5.	9555	Stg. 556615 Zenith-Nira x Zenith
6.	7787	Zenith
7.	9459	Nova
8.	9577	Rexoro x Lacrosse

9.	8998	Nato			
10.	9561	HB 503 Rexoro x Lacrosse			
11.	9482	Rex.-I x 250-Mag			
12.	9540	250 x Magnolia			
13.	9562	B589A18-12-2 Bbt 50/2 x Gulfrose			
14.	9407	Northrose			
Ex.	9533	Glut. Zenith (stg)			
Ex.	8998-711	Nato, Clear strain (Cro., Stg.)			

Ex.	9416	Gulfrose (Bmt)			
Ex.	–	Rex-I#8 x Lac (Cro)			
Ex.	8318	Magnolia (Cro)			
Ex.	9463	Palmyra (Cro)			

GROUP II: UNIFORM YIELD NURSERY - 1963

21.	9483	R-D x Rex-I
22.	9568	B581A6-576-1-1 (CP231/3 x Bbt)^2 x PI 215936
23.	8993	CENTURY PATNA 231
24.	9439-2	(4II-8-14 x 322A6-23) x (4II-8-14)
25	9534	B505A1-28-7-1-2 CP231 x HO 12
26	9569	B572A1-6-6-1 PI 215936 x CI 9214
27	9550	CENTURY x C 252
28	9570	B572A3-47-1-1 PI 215936 x CI 9214 good at Stg.

29.	9356	Stg. 59D1350 CI 9453 × CI 9187				
30.	9442	B502A3-106 Bbt × CP 231				
31.	9418	4II-1-8 × Rex-252				
32	9572	B589A9-29-1-2 Bbt 50/2 × Gulfrose				
33	9571	B572A3-47-11-1 PI 215936 × CI 9214				
34	9187	Stg. 521305 R-7689 × (TP × R-SBR)				
Ex.	8644	Revark (stg.)				
Ex	-	stg. 603929 (stg.) CI 9209 × CI 9187				

GROUP III: 1963 UNIFORM YIELD NURSERY

			Rust.		
			H.O.	P.O.	I.O
41	9402	B502A2-113-B3	S-2	S-2	t_2
		Bbt x CP231 C	S-2	S-2	t_2
		D	S-2	S-2	
		1~KS.	S-2	S-2	
42	9573	B585A1-1-2-3	S-3+	S-1	
		Bbt. 50 x Dima	S-3	S-1	
			S-3	S-1	
			S-3	S-1	
43	9574	B589A9-36-1-1	S-1	S-3	
		Bbt 50/2 x Gulfrose	S-1	S-2	
			S-1	S-2	
			S-1	S-2	
44	8990	Bluebonnet 50	S-2	S-3	
			S-2	S-4	
			S-2	S-3	
			S-2	S-4	
45	9444	B523A1-96-2-2-3	S-1	S-2	
		CI 9278 x TP	S-1	S-2	
			S-2	S-2	
			S-2	S-2	
46	1344	Fortuna	S-2	S-3	
			S-2	S-2	
			S-2	S-3	
			S-2	S-3	
47	9013	Toro	S-3	S-2	
			S-3	S-2	
			S-3	S-2	
			S-3	S-2	
48	9575	B589A4-70-1-2	S-3	R-O	
		Bbt 50/2 x Gulfrose	S-3	R-O	
			S-3	R-O	
			S-3	R-O	

			Bmt. H.O.	Bmt. C.O.	P.O.
49.	9557	Stg. 9446-13 Bbt x CP 231	S-1 S-1 S-1 S-1	S-1 S-2 S-2 S-2	
50.	9576	B589A18-21-3-1-8 Bbt 50/2 x Gulfrose	S-1 S-1 S-1 S-1	S-3 S-3 S-4 S-4	
51.	9486	Stg. 59D2904 Ark. x Bbt. 50	S-3 S-2 S-2 S-2	S-tr R.O R.O R.O	tr tr tr
52.	9558	Stg. 603732 Ark. x Bbt 50	S-3 S-3 S-3 S-3	S-tr S-tr S-tr S-tr	
53.	9536	B52334-8-2-1-2 CI 9278 x TP	S-1 S-2 S-2 S-2	S-4 S-4 S-4 S-4	
54	9551	(df-TP x UNKNOWN) x Bbt 50	S-1 S-1 S-1 S-1	S-3 S-2 S-2 S-1	
Ex.		Stg. 604619 (Stg) CP 231 x Bbt			
Ex.		Stg. 611814 (Stg) Bbt x CP 231 (Sel. CI 9402)			

GROUP II: 1963 UNIFORM YIELD NURSERY

				H.O.	C.O	P.O.
61	1561-1	Caloro	A	S-1	R.O	
			B	S-2	R.O	
			C	S-2	R-O	
				S-2	R.O	
62	9559	Stg. 609624 Lac x Caloro 3		S-3	R.O	
				S-3	R.O	
				S-2	R.O	
				S-3	R.O	
63	9494	Stg. 567989 Lac x Caloro/2		S-1	R.O	
				S-1	R.O	
				S-1	R.O	
				S-1	R.O	
64	-	PI 215936 Tainon-iku 487		S-2	R.O	
				S-2	R.O	
				S-2	R-O	
				S-24	R-O	
65	8985	Lacrosse		S-4	R.O	
				S-4	R.O	
				S-4	R.O	
				S-4	R.O	
66	9460	Stg. 55552-7 Lac x Zenith-Nira		S-2	R.O	
				S-31	R.O	
				S-2	R.O	
				S-2	R.O	
67	2128	Imp. Blue Rose		S-24	S-1	
				S-2	S-1	
				S-2	S-1	
				S-2	S-1	
68	8310	Arkrose		S-2	R.O	
				S-2	R.O	
				S-2	R.O	
				S-2	R.O	

			HO	R.O.	R.O
669	8988	Calrose	S-1	S-tr	
			S-2	R.O	
			S-2	R.O	
			S-2	R.O	
670	9560	Stg. 576233	S-3	R.O	
		Lac x Zenith	S-2	R.O	
		V. loose	S-2	R.O	
			S-3	R.O	
671	9563	B5711A1-18-5-2	S-1	S-2	
		(CP231/3 x Bkh)^2 x	S-1	S-2	
		PI 215936	S-1	S-2	
		Rough loose	S-1	S-2	
		sh gr. Sdl.			
672	9564	B573A4-10	S-2	S-tr	
		PI 215936 x Ct 9402	S-2	S-tr	
		Rt sm. loose	S-2	S-1	
		Sh g. Straw	S-24	S-tr	
673	5793	Supreme Blue Rose	S-2	S-1	
			S-1	S-tr	
			S-1	S-1	
			S-1	S-1	
674	9496	Blue Rose Sel.	S-2	R.O	
			S-2	R.O	
			S-2	R.O	
			S-2	R.O	
Ex	9454	Stg. 55552-15(stg)			
		Lac x ZeN-Nira			
Ex	8312	Asahi (stg)			

GROUP V: 1963 UNIFORM YIELD NURSERY

81	9370-2	15/16 Rexoro
82	8991	TP49
83	1779	Rexoro
84	9552	62Cro 5120 Rexoro x Bozu
85	9448-2	Rexoro Sel.
86	9120	BH527A1-11 TP49 x Rex
87	6001	Pandhori No. 4
88	8321	Texas Patna

89	9133	B4527A1-10 TP49 x Rex4			
90	8643	R-D			
91	9566	B5617A40-24-2 Rex^2 x PI 183331			
92	9031-2	R-Prif x G			
93	9565	B5617A20-4-2-1 Rex^2 x PI 183331			
94	9371	C57-5217 7/8 Rex x R-D			
E4	9567	B584A2-63-1-4(Bmt) Bbt-50 x Vojutla			

GROUP VI: 1963 UNIFORM YIELD NURSERY

101	9459	Nova
102	9487	B575A1-26-4 CI 9214 x (CD231 x CI 9122)
103	9488	B574A1-36-2 CI 9214 x CI 9383
104	9425-2	Rex-Red x UNKNOWN
105	9537	B575A1-21-5-1 CI 9214 x (CD231 x CI 9122)
106	9386	Stg. 511767 Vegold
107	9538	B574A1-1-4 CI 9214 x CI 9383
108	9543	RR x R-252

109	9489-3	Nato x F, (RR x Bozu)			
110	9490	B575A1-38-3 CI 9214 x (CP 231 x CI 9122)			
111	9553	RR x 250 Mag			
112	9475	R-R x 250 Mag			
113	9433	Belle Patna			
114	9544	B573A1-37-5 CI 9214 x (CP 231 x CI 9122)			
Ex	-	RR x 322A6-23 (Cro., Stg.)			
Ex	9463	Palmyra (stg.)			

1963 Single Nursery plots.

plot: seeding no. order			HO	C.O.
501	B589A2-4-3-1 Bbl.50/2 X Balfour		S-2	S-½ R?
101				
261	(3382)			
502	B589A3-82-1-2-BA^3		S-2	S-½
102				
252	(4101)			
503	B589A3-82-3-2-7-2		S-2	S-1
103				
253	(4109)			
504	B589A3-82-3-2-BK.1		S-2	S-2
104				
254	(4114)			
505	B589A4-11-2-3		S-2	S-1
105				
205	(3470)			
506	B589A4-4-3-1-7-3		S-3	S-2
106				
256				
507	B589A4-23-1-1-7-2		S-2	S-½ R
107				
257				
508	B589A4-70-2-2 BK-1		S-3	R.O.
108				
258	(4230)			

509 B585A 4-82-3-1
B.H. 50½ ft Alpine
109
259 (3508)

510
110
260

			H.O.	C.U
509	B589A4-82-3-1, Bbt. 30/2 x G. Rose (3508)	109, 259.	S-2+	S-1
510.	B589a4-82-6-2-7-2, (4253)	110, 260.	S-2	S-1
511.	B589a4-70-1-2-4, (4825)	111, 261.	S-3	R.O
512.	B589a4-70-2-2-1, (4830)	112, 262,	S-3	R.O
513.	B589a4-89-3-1-2, (4841)	113, 263.	S-2+	S-2
514.	B589a4-89-3-1-7-1, (4258)	114, 264.	S-2	S-1
515.	B589a4-89-3-3BR-3, (4270)	115, 265.	S-2	S-2
216.	B589a9-36-4-1-7-1, (4433)	116, 265.	S-2	S-1

			H.O.	C.O
517.	B58929-36-2-4-7-3, Blt. 30/2 4 G. Rose. (4432)	117. 267.	S-2	S-1
518.	B58929-36-1-1-8, (5109)	118, 268.	S-2	S-1
519.	B58929-36-4-1-8, (5118)	119. 269.	S-14	S-2
520.	B58929-36-5-2-2, (5122)	120. 270.	S-1	S-2
521.	B58929-2-1-1, (3514)	121. 236.	S-2	S-2
522.	B58918-21-3-2-7-1. (4455)	122. 237.	S-2	S-3
523.	B58918-21-1-2-7-3, (4451)	123. 238.	S-2	S-3
524.	B58918-21-1-4 Br-2, (4453)	124, 239.	S-24	S-2

			H.O.	C.O.
525.	B389a18-21-2-2-5 Blt. 30/2 4C. Rose. (5153)	125. 240.	S-2	S-3
526.	B389a18-21-1-3 (9002)	126. 241.	S-24	S-2
527.	B389a18-77-1, (581)	127. 242.	S-2	S-1 (R-?)
528.	B389a18-77-3-3 (3678)	128. 243.	S-2	S-1
529.	Bluebonnet 50. (Fd.)	129. 244.	S-24	S-2
530.	B389a19-4-2-1-10,	130, 339,		
	(583)			
531.	B389a19-75-3-3,	131, 340,		
	(3729)			
532.	B389a19-75-2-4,	132, 341,		
	(3717)			

			H.O.	C.O.
533.	B589a19-4-2-1-9, Bbt. 60/2 & C. Rose, (4472)	133, 342.		
534.	B589a21-8-5-2BR-2, (4514)	134, 343.		
535.	B589a21-28-3-2BR-3, (4537)	135, 344.		
536.	B561a3-22-2-1, Irrad. C.p.231. DW. & Rex. (9086)	136.	S-1	S-14
537.	B561a3-38-3-1, (9067)	137.	S-1	S-2
538.	Taidei-Lio-Two-Zes P.I. 248,487. (9379)	138.	S-2	R-D
239.	B563a1-2-2-1, Irrad. C.p.231. DW & BBT. 30. (9941)	139.	S-2	S-1
540.	C.I. 9545, (68)	140.	S-24	R-D

			KO.	PKO
541.	B363a1-5-1-2. Irrad. Cp. 231 DW/ BW 50. (9945)	141.	S-1	S-1
542.	B363a1-5-3-4. (9933)	142.	S-1	S-1
543.	B3617a4-2-1-2, Rex. 1/2 d" 183.331. (2103)	143.	S-4	R-0
544.	B3617a4-19-4-2, (2106)	144.	S-3	R-0
545.	B3617a32-3-2-3. (2169)	145.	S-3	R-0
546.	B3617a37-5-1-2, (2216)	146.	S-1	R-0
547.	B3617a40-19-3-3. (2227)	147.	S-3	R-0
548.	B3617a43-19-1-1. (2238)	148.	S-3	S-1

			H.O.	C.O.
549.	B5471a 43-27-1-3, Red 1/2 4" 183,331. (2242)	149.	S-2	R-O
550.	B5471a44-4-4-1, (2248)	150.	S-2	R-O
551.	B585a1-5-1-2. Bet. 50 × Dina (2279)	151.	S-2	R-O
552.	B585a1-14-1-3, (2312)	152,	S-4	R-O
553.	B585a1-28-1-3, (2325)	153,	S-2A	R-O
554.	B585a1-29-1-1, (2326)	154,	S-2	S-1
555.	B585a1-29-1-3, (2329)	155,	S-3	S-1
556.	B585a1-32-1-1, (2334)	156,	S-4	R-O

			H.O.	C.O.
557.	B585a1-33-1-2, Bet. 50. & Dima. (2339)	157.	S-2	R.O
558.	B585a1-36-1-3. (2343)	158.	S-3	R.O
559.	B585a1-41-1-2, (2350)	159.	S-5	R.O
560.	B585a1-46-1-2, (2362)	160.	S-3+	R.O
561.	B585a1-50-2,	161.	S-3+	R.O
562.	B585a1-50-1-3. (2376)	162.	S-4	R.O
563.	B585a1-60-1, (9931)	163.	S-4	R.O
564.	B585a1-65-1-2, (2419)	164.	S-2	R.O

			H.O.	C.O.
565.	B585a1-79-1-2, Bat. 30. & Pima. (2450)	165.	S-4	R-O
566.	B585a1-82-1-1, (2456)	166,	S-3	R-O
567.	B585a1-94-1-2, (2501)	167,	S-3	R-O
568.	B585a1-23-2-3, (2625)	168,	S-3	S-1
569.	P.I. 215,936, (64)	169,	S-3	R-O
570.	B585a1-52-1-3, (2644)	170.	S-2	R-O
571.	B589a19-97-3-3-4, Bat. 30½ & C. Rose. (5206)	201, 345,	S-1	S-½-1
572.	B589a9-16-1, (371)	202, 346,	S-2	S-½

			H.O.	C.O.
273.	B589a30-14-4, Blt. 30/2 ¥G. rose. (605)	203, 347,	S-1	S-1
274.	B589a30-37-2-2, (3902)	204, 348,	S-1	S-2
275.	B589a9-28-1-38R-2, (4355)	205, 349,	S-1	S-1
276.	B589a9-29-1-2BK-1, (4383)	206, 350,	S-1	S-1
277.	B593a21-14, Belle ¥LCP-331/3 ¥Blt 1/2 ¥"21593A" (554)	207, 351,	S-1	S-1
278.	B594a23-3 Blt. 30/3 ¥G. Rose. (5518)	208, 352,	S-2	S-¼
279.	B594a4-13-2, (5604)	209, 353,	S-1	S-2
280.	B594a4-13-1, (5609)	210, 354,	S-1	S-2

			H.O.	P.O.
581.	B396a3-9-3, Bet. 30/3 4G. Rose. (5669)	211, 335,	S-2	S-1
582.	B596a3-3, (610)	212, 356	S-3	S-1
583.	Milburn #2. P.S. 260, 660. (614)	213, 357.	S-2	R.O
584.	"9402 Natl. Cross. (680)	(214.) 358.	S-14	S-½ R
585.	"9402, Natl. ~~Cross.~~ Cross 719.	215. 424,	S-1	S-½ R
586.	"9402. Natl. Cross. (8078)	216, 360,	S-1	S-½
587.	"9402. Natl. Cross. (8084)	217, 361,	S-2	S-1
588.	"9402. Natl. Cross. (8108)	218. 362,	S-14	S-½

			H.O.	P.O.
589.	"9402. Natl. Cross. (8111)	219. 363.	S-1	S-1
590.	B579a2-43-7-10-3, Bkt. Jo & C. Rose. (5435)	220. 364.	S-1	S-1
591.	B579a2-11-3-4p-2p. (9813)	(221.) 365.	S-2	S-1
592.	B579a3-5-6-4p-2p. (9910)	(222) 366.	S-2	S-1
593.	"9543, (65)	223. 367.	S-2	R.O
594.	B571A1-43-2-1-2, "213936 & Cp. 2314 (Hill Sel. & Bkt.)] (5845)	(224) 368.	S-1	R-1
595.	B572a3-47-2-2-1, "213936 & "9214. (6016)	(225) 369.	S-1	S-1
596.	B572a3-47-11-2-1, 6048.	(226) 370.	S-1	S-1

			HO	CO
597.	B572a3-47-13-3,	(227)	S-14	S-Tr
	("215936 & "9214)	(436)	S-1	R-O
	(6036)			
598.	B572a3-47-15-1-2,	(228.)	S-2	R-O
		437.	S-2	R-O
	(6062)			
599.	B593a10-27-1,	229.	S-2	S-Tr
	Bella & L(cp231 & Bff 1/2 & "215936)]	438.	S-2	S-Tr
	(6384)			
600.	B572a3-47-2-2p.	230.	S-1	R-O
		439.	S-1	R-Tr
	(8864)			
601.	B572a3-47-2-3p,	231.	S-2	R-O
		440.	S-2	S-Tr
	(8868)			
602.	B572a3-47-6-2p.	232.	S-1	S-Tr
		441.	S-1	R-Tr
	(8901)			
603.	B572a3-47-2-4p-2p,	(233)	S-1	R.O.
	602 & 603	442,	S-1	R-Tr
	VM (9781)			
604.	B515a1-55-2-1-4-2,	(234)	S-1	R-Tr
	cp. 231 & "184,812,	(443)	S-1	R-Tr
	(7944)			

			I/O	P.O.
605.	Giza-14.	235	S-3	R-O
	"233,879.	444 →	S-3	R-O
	(9584)			
521-B.		236		
		121	S-1	S-1
	(3514)			
522-B.		237.		
		122,	S-1	S-2
	(378)			
523-B.		238		
		123	S-1	S-1
	(4451)			
524-B.		239		
		124	S-14	MS-2
	(4453)			
525-B.		240		
		125	S-1	S-2
	(2153)			
526-B.		241		
		126	S-1	S-2
	(9002)			
527-B.		242		
		127	S-1	S-1
	(581)			

			H.O	P.O.
528-B.		243 128	S-2	S-1
	(3678)			
529-B.	Bluebonnet 30	244 129.	S-2	S-2
	(F.O.)			
615.	B585a1-53-1-1, Blt. 30 ✗ Dima.	245	S-3	R-O
	(2648)			
616.	B585a1-37-3-1BK-3,	246.	S-4	R.O
	(2655.)			
617.	B585a1-15-3-2,	247.	S-2	R.O
	(2668)			
618.	B585a1-21-2-2, Cp.231 ✗ Dima.	248.	S-34	R.O
	(2762.)			
619.	B585a1-26-3-1,	249.	S-24	R.O
	(2783)			
620.	B585a1-29-1-3,	(250)	S-3	R.O
	(2810)			

			H.O	8.0
301-B.		251 101	S-2	S-1
	(3382)			
302-B.		252 102	S-2	R.O
	(4101)			
303-B.		253 103.	S-2	S-2
	(4169.)			
304-B.		254 104	S-2+	S-1
	(4114)			
305-B.		255 105.	S-1	S-1
	(3470)			
306-B.		256. 106.	S-2	S-1
	(4228)			
307-B.		257. 107.	S-2	S-1/2
	(4378)			
308-B.		258. 108.	S-2	R-O
	(4235)			

			H.O.	C.O.
209-B.		259 109.	S-1	MS-1
	(3508)			
210-B.		260, 110,	S-1	MS-1
	(4253)			
211-B.		261, 111,	S-2	R-0
	(4823)			
212-B.		262, 112,	S-3	R-0
	(4830)			
213-B.		263. 113,	S-2	S-1
	(4841)			
214-B.		264. 114.	S-1	S-2
	(4258)			
215-B.		265, 115,	S-1	MS-2
	(4270)			
216-B.		266, 116,	S-1	S-1
	(4433)			

			H.O.	P.O.
517-B.		267, 117,	S-1	S-2
	(4432)			
518-B.		268, 118,	S-1	S-2
	(5109)			
519-B.		269, 119,	S-1	S-1
	(5118)			
520-B.		270, 120,	S-1	S-1
	(5122)			
641,	P113-2P-2P-6P Bet. 30 & P103.	301, 445,	S-2	S-1
	(9684)			
642,	B58Sa1-23-5-1, Bet. 30 & Pima.	302, 446,	S-3	R.O
	(830)			
643.	B56170 43-3-3-2, Rel/2 & " 183,331,	303, 447.	S-2	S-1
	(2235)			
644.	B58Sa1-15-3-2.	304. 448,	S-2+	R.O
	(2623)			

			HO	C.O
645.	B5111A1-163-1-1. Cp. 231 ✝ Layas Bazan, (807)	305 449,	S-1	S-1
646.	B585a1-44-1-3, Bet. 50 ✝ Dima. (2357)	306, 450,	S-3	S-1
647.	B585a1-60-3, (9033)	307, 451,	S-3	R.O
648.	B585a1-61-1-2, (2402)	308, 452,	S-3	R.O
649.	B585a1-71-1-3, (2435)	309, 453,	S-1	S-2
650.	B585a1-78-1-1, (2441)	310, 454,	S-2	R.O
651.	B585a1-84-1-3, (2466.)	311, 455,	S-3	R.O
652.	B585a1-93-1, (2481)	312, 456,	S-4	R.O

			H.O.	P.O.
633.	B585a1-1-2-3. Bet. 30 & Pima, (2621)	313, 457.	S-1	S-1
634.	B585a1-23-2-3BK-1, (2628)	314, 458,	S-1	S-1
635.	B585a1-61-1-3BK. (2661)	315, 459.	S-2	R.O
636.	B585a1-15-3-2. (2663)	316, 460,	S-2	R.O
637.	"215936 (64)	317. 461,	S-2	R.O
638.	B585a1-71-3. (2933)	318, 462,	S-1	R.O
639.	B585a1-16-1-2BK-2,	319, 463.	S-1	R.O.
660.	B58902-10-3-1, Bet. 20½ & G. Rge. (8916)	320	S-1	R.O.

			NO.	C.O.
661.	B58903-82-4-1-7-1, Bet. 50.4 G. Rose. (4122)	321,	S-4	R-O
662.	B58903-82-4-1-9-3, (4126)	322,	S-24	R.O
663.	B58903-82-4-6-6, (4710)	323,	S-24	R.O
664.	B58903-82-2-BK (3507,)	324,	S-1	S-2
665.	B58903-82-2-1, (3504,)	325,	S-1	S-2
666.	B58904-70-2-2-4, (4833)	326,	S-2	R.O
667.	B58904-23-2-4-8, (4750)	327,	S-2	S-2
668.	B58904-89-4-2-7, (4859)	328,	S-2	S-2

			H.O.	C.O.
669.	B58929-6-6-4BK-1, Bet. 30½ & G. Rose. (4332)	329.	S-1	S-2
670.	B58929-11-4-4BK-1, (4342)	330.	S-2	S-14
671.	B58929-20-1-2-2, (5008)	331.	S-1	R.O
672.	B58929-29-3-3-4, (5045)	332.	S-2	S-1½
673.	B58929-36-1-1-7-3, (4426)	333.	S-1	S-2
674.	B58929-36-1-1BK-2, (4428)	334.	S-1	S-2
675.	B58929-36-5-4-6, (5135)	335.	S-4	R.O
676.	B58301-41-3, Cp. 231 & Dima, (2821)	336.	S-3	R.O

			H O	C.O.
677.	B08341-46-3-3. C.P. 2314 Tima. (2832)	337.	S-4	R-O
678.	B08341-56-1-1, (2855)	338.	S-1	R-O
530-B.	(5831)	339.	S-2	S-2
		130.	S-2	S-1
531-B.	(3729)	340.	S-2	S-½
		131.	S-3	R.O
532-B.	(3717)	341.	S-2	S-2
		132.	S-3	S-2
533-B.	(4472)	342.	S-2	S-1
		133.	S-2	S-½
534-B.	(4514)	343.	S-2	S-1.
		134.	S-2	S-½
535-B.	(4537)	344.	S-2	S-1
		135.	S-2	S-1

			H.O.	e.O.
371-B.		345. 201,	S-1	S-tr
	(5206)			
372-B.		346 202,	S-2	R.O
	(571)			
373-B.		347, 203,	S-2	S-1
	(605)			
374-B.		348, 204,	S-2	S-14
	(3902)			
375-B.		349, 205,	S-2	S-1
	(4355)			
376-B.		350, 206,	S-3	S-1
	(4383)			
377-B.		351, 207,	S-2	S-1
	(554)			
378-B.		352, 208,	S-24	S-1
	(5518)			

			H.O.	C.O.
379-B.		353. 209.	S-24	S-2
	(3604)			
380-B.	"215,936	354. 210.	S-24	R.O
	(64)			
381-B.		355. 211.	S-2	S-24
	(5669)			
382-B.		356. 212.	S-24	S-1
	(610)			
383 B.		357. 213.	S-2	R.O
	(614)			
384 B.		358. 214.	S-2	S-1
	(680)			
699.		359.	S-1	R.O
	clear lease (668)			
386-B.		360. 216.	S-2	S-1
	(8078)			

			H.O.	C.O.
387-B.		361, 217,	S-2	MS-1
	(8084.)			
388-B.		362, 218.	S-2	S-1
	(8108)			
389-B.		363. 219.	S-2	RO
	(8111)			
390-B.		364, 220.	S-3	R.O
	(5435)			
391-B.		365, 221,	S-3	S-H
	(9813)			
392-B.		366, 222,	S-24	R.O
	(9910)			
393-B.		367, 223,	S-24	R.O
	(65)			
394-B.		368, 224.	S-2	S-1
	(5842)			

			H.O.	P.O.
395-B.		369, 223.	S-14	A.O
	(6016)			
396-B.		370 226.	S-14	A.O
	(6048)			
711.	B58929-36-8-P, Bet. 30½ VG. Rose.	(401.)	S-14	S-1
	(9622)			
712.	B58929-16-8P	(402)	S-1	R.O
	(9624)			
713.	B58921-93-3P,	(403)	S-2	S-1
	(9670)			
714.	B58923-50-1-4BK-1,	(404)	S-2	NS-1
	(4871)			
715.	B58918-21-3-2BK,	(405)	S-1	S-2
	(4488)			
716.	B58918-21-3-4,	(406)	S-1	S-1
	(9006)			

			HO	C.O.
717.	B589a21-5-1-4, Bcc. 50 & G. Rose. (9018)	407.	S-2	S-1
718.	B589a21-86-4. (596)	408.	S-3	R-O
719.	B589a21-52-2-3, (3771)	409.	S-24	R-O
720.	B589a18-21-3-2-8, (5166)	410.	S-2	S-2
721.	Blue Comet 80 (XO)	411.	S-2	S-2
722.	B589a19-97-3-3-9, (5211)	412.	S-24	R-O
723.	B589a19-107-4-2-8, (5229)	413.	S-2	S-1
724.	B589a30-23-2-1, (3875)	414.	S-2	S-1

			H.O	C.O
725.	B596a3-16-2, Bet. 50/3 46. Rose. (5541)	415.	S-2	R-O
726.	B596a4-22-3, (5622)	416.	S-2	S-2
727.	B572a3-47-31-P. "21B936 ✓ "9214. Strong hg. gr. (8876)	417.	S-2	R-O
728.	B572a3-47-5-1P-3P. gal hull long gr. (9783)	418.	S-2	R-O
729.	B572a3-47-5-2P-3P. long gr. gal (9805)	(419.)	S-2	R-O
730.	B572a3-47-5-6P-1P. gal hull long gr. (9806.)	(420)	S-14	R-O
731.	B572a3-47-5-1-3, gal hull long gr. (6030.)	421	S-2-1	R-O
732.	B572a3-47-7-1-1, strong hull long gr. (6037.)	422.	S-2	S-1-2

			H.O.	C.O.
733.	B5T2a3-47-16-2-2 "21393 & "9214, (6071)	423.	S-2	S-½
585-B.	"9402, Nath. Sel. (719.)	424. 212.	S-1	S-½
732.	B5334a1-22-1-4, Cp. 231 & "9259. gold hull, lg. gr. steady (670)	425.	S-½	R.O
736.	Taipei & 10 Tao Tea "248, 487, night Rough & Smooth (9580) Straw hulls, long grain	426	MS-2	R.O
737.	Taipei Woo-Co. "248 489. Rough, Med. gr. (9581) Brown - gold hulls.	427.	MS-3	R.O
738.	PE Bi Tsun "248, 166. Rough, Straw hulls, (9582) Med. gr.	428.	MS-3½	R.O
739.	B5T9a2-19-2-4 P.I. Bet. 80. & C. Rose. (9852.)	429.	S-2½	R.O
740.	B5T9a2-19-2-5P. (9855)	430.	S-2	R.O

			H.O	C.O
741.	B57943-5-6-3P-H. Bkt. 50. & G. Rose. (9883)	431.	S-3	R.O
742.	B50282-156-9-1-3. Bkt. & Cp. 231. (2017)	432.	S-1	S-tr
743.	B58201-49-4-2 Cp. 231 & Jumper (3343)	433.	S-1	R.O
744.	B58201-63-4-3. Clevis Jumper (3348)	434.	S-1	R.O
745.	B56103-24-3-3, Armad. Cp. 231. DW. & Rel. (9046)	435.	S-1	R-tr
~~746.~~ 597-B.	(6036)	436. 229.		
598-B.	(6062)	437. 228.		
599-B.	(6584)	438. 229.		

			H.O.	C.O.
600-B.		439 230.		
	(8864)			
601-B.		440. 231.		
	(8868)			
602-B.		441. 232.		
	(8901)			
603-B.		442. 233.		
	(9781)			
604-B.		443. 234.		
	(7944)			
605-B.		444. 235.		
	(9584)			
641-B.		445. 301.	S-24	R.O
	(9684)			
642-B.		446. 302.	S-4	R.O
	(830)			

			H.O.	P.O.
643-B.		447, 303,	S-2	R-O
	(2235)			
644-B.		448, 304,	S-3	R-O
	(2623)			
645-B.		449. 305,	S-3	S-1
	(807)			
646-B.		450. 306,	S-4	S-1
	(2357)			
647-B.		451. 307.	S-4	R-O
	(9933)			
648-B.		452. 308.	S-4	R-O
	(2402)			
649-B.		453. 309.	S-3	S-1
	(2435)			
650-B.		454, 310.	S-4	R-O.
	(2441)			

			H.O	P.O
651-B.		455. 311.	S-4	R.O
	(2466)			
652-B.		456. 312.	S-4+	R.O
	(2481)			
653-B.		457. 313.	S-3	S-1.
	(2621)			
654-B.		458. 314.	S-3	S-1
	(2628)			
655-B.		459. 315.	S-4+	R.O
	(2661)			
656-B.		460. 316.	S-3	R.O
	(2665)			
657-B.		461. 317.	S-2	R.O
	(64)			
658-B.		462. 318.	S-2	R.O
	(2909)			

			H.O	C.O
259-B.	B583a1-16-1-2BK-2, Cp. 231 4 Dina. (2935.)	463, 319.	S-3	R-O
774.	B583a1-63-3-2, (803)	464.	S-2+	R-O
775.	B583a1-15-2-3, (2928)	465.	S-3+	R-O
776.	B583a1-16-1-2, (2931)	466.	S-3	R-O
777.	B583a1-15-23-1, (2956)	467.	S-4	R-O
778.	B583a15-2-3-4 (2959)	468.	S-4	R-O
779.	Bluebonnet 50. (Fd)	469.	S-2	S-2
780.	" 9548. (65)	470.	S-2	R-O

			HO	C.O.
781.	B5813Q8-3-1-1, "213936 & Lacross, (7019)	601.	S-2+	R-O
782.	B5813Q8-3-1-3 (7022)	602.	S-2	R-O
783.	B5813Q8-10-1 (687)	603.	S-2	R-O
784.	B5813Q11-27-1-3, (7042)	604.	S-1	R-O
785.	B5813Q11-71-3, (7053)	605.	S-1	R-O
786.	B5813Q12-4-1-1, (7050)	606.	S-2	R-O
787.	B5813Q12-4-1-3, (7062)	607	S-2	R-O
788.	B5813Q12-5-1, (7068)	608.	S-2+	R-O

			H.O.	C.V.
789.	B5813a12-6-2BK. "215936 Taichung. (7084.)	609.	S-24	R-O
790.	" 275,424. Chia-Nung-Yu-280. (8742)	610.	S-24	R-O
791.	" 275425. Hsinchu-56 (8744)	611.	S-1st	R-O
792.	" 275425 Kaohsiung-68. (8747)	612.	S-24	R-O
793.	" 215936 Tainan-1KW. 387 (64)	613.	S-2	R-O
794.	" 275,429 Taichung-176. (8754)	614.	S-1	S-1st
795.	" 275430 Taichung-178. (8755)	615.	S-24	R-O
796.	" 275,435 Taichung Line-48212. (8761)	616.	S-1	R-O

			110	C.V.
797.	"275,436. Taichung Line #47220. (8763)	617.	S-1	R-O
798.	"275437 Tsai-yuan-Thon (8767)	618.	S-1	R-O
799.	"9545 (65)	619.	S-1+	R-O
800.	B57263-47-3-2P "215936 & "9214. (8877)	620.	S-1	S-t_2
801.	B5816A13-4-1-1, C. Rose & Zea. (BR/3 & Ref. (7126)	621.	S-1	R-O
802.	B5816A1344-2P& (7141)	622.	S-1	R-O
803.	B5816A13-33-3, (7163)	623.	S-1	R-O
804.	B5816A1-20-2-2, (7214)	624.	S-1	R-O

B 5816 Sel. Clear Lakes

			H O.	C O
805.	B5816a1-23-3-3, G. Rose & Len. & Br/3 & Red. (7232)	625.	S-1	R-D
806.	Nova. (7)	626.	S-2	R-O
807.	B5816a2-22-1, (7242)	627.	S-1	R-O
808.	B5816a2-22-2-2, (7247)	628.	S-1	R-O.
809.	B5816a2-26-1, (7250)	629.	S-1	S-½-1
810.	B5816a2-29-2-2. (7254)	630.	S-1	S-1
811.	B5816a3-16-2-2, (7311)	631.	S-1	R-O
812.	B5817a15-4-3-2. G. Rose & Lacrosse. (7330)	632.	S-1	R-O

Judged.

B5817 sel. vig. clean foliage

			H.O.	C.O.
813.	B5817a61-4-2-2, C. Rose & Vac. (7348)	(633.) lodged	S 1	A-O
814.	B5817a61-7-2-2, (7359)	(634.) lodged.	S-1	A-O
815.	B5817a61-27-2-3, (7402)	(635.) lodged.	S-3	A-O
816.	Wato (F8)	(636)	S-2	S-1
817.	Chia Wing (8739)	(637)	3-1	A-O
818.	B5818a15-3-1-1, C. Rose. & 213936. (7409)	(638)	S-3	A-O
819.	B5818a15-5-2. (695)	(639) lodged.	S-2	A-O
820.	B5818a15-5-3-3, (7421)	(640) lodged.	S-3	A-O

			11.6	C.O
821.	B5818a15-15-2-1, G. Rose # "215936. (7445) lodged.	(641)	S-3	R.O
822.	B5818a15-19-2-3, (7441) lodged.	(642)	S-1	R.O
823.	B5818a15-30-2-3, (7482) lodged.	(643)	S-2	S-1
824.	B5818a15-51-3-1, (7516) lodged.	(644)	S-1	R.O
825.	B5818a15-56-2-2, (7525) lodged.	(645)	S-1	R.O
826.	B5818a15-61-1-1, (7527) lodged.	(646)	S-1	R.O
827.	B5818a15-67-2-3, (7542) lodged.	(647)	S-2	R.O
828.	B5818a15-109-1, (706) lodged.	(648)	S-2	R.O

			1/0	C.O.
829.	B579a2-45-36-2. Butt. 50 & G. Rose. (813)	649.	S-2	R.O
830.	OS-57. (9464)	(650) lodged.	S-3	R.O
831.	OS-58. (9466)	(651) lodged.	S-2	R.O
832.	OS-58 (9466)	(652) lodged.	S-2	R.O
833.	OS-59. (9468)	(653) lodged	S-14	R.O
834.	OS-77. (9470)	(654) lodged.	S-2	R.O
835.	Konen-Wase (Japan) (9475)	(655) lodged	S-1	R.O
836.	Norin 22. (9505)	(656)	S-14	R.O

			1/D.	P.O
837.	BENISENGKU	(657)	S-2	R~
	(9508)			
838.	488-10T-2T-1P.	(658)	S-2	S-1
	(9748)			
839.	B571a1-40-2-2-3. "215936 & Rep. 2314 (Hill Sel. & Rex.)]	(659)	S-1	S-1
	(5770)			
840.	B571a1-40-3-1,	(660)	S-1	S-1
	(637)			
841.	B571a1-43-2.	(661)	S-1	S-1
	(638)			
842.	B571a2-21-6-1-2,	(662)	S-1	S-1~
	(3826)			
843.	B571a2-21-10-2-2.	(663)	S-1	S-1~
	(3829)			
844.	B571a2-21-6-1,	(664)	S-1	S-1~
	(640)			

			110	C.O.
845.	B572a1-6-2-1p. "215936 4 "9214.	(665)	S-1	R-0
	(8911)			
846.	B572a1-6-5-1-6,	(666)	S-1	R0
	(5855)			
847.	B572a1-6-13-2-1,	(667)	S-1	S-2
	(5869)			
848.	B572a2-10-3,	(668)	S-14	S-1
	(643)			
849.	B572a2-38-7-3-2,	(669)	S-2	S-1
	(5984)			
850.	B572a3-48-2-3,	(670) (701)	S-3	S-1
	(647)			
851.	B572a3-43-4-1,	(701)	S-1	S-1
	(6003)			
852.	B572a3-47-6-3,	(702)	S-1	S-1
	(644)			

			H.O.	C.O
853.	B572a3-47-7-2-1,	(703)	s-tr	s-tr
854.	B572a3-47-7-2-2,	(704)	s-tr	RO
	(6039)			
855.	B572a3-47-9-1,	(705)	s-1	R-tr
	(645)			
856.	B572a3-47-13-1,	(706)	s-1	s-1
	(646)			
857.	B572a3-47-15-3-1,	(707)	s-1	R-D
	(6067)			
858.	B573a1-54-1, "215936 & "9402.	(708)	s-1	s-tr
	(6131)			
859.	B573a1-5-8-3,	(709)	s-1	s-tr
	(639)			
860.	B573a1-5-3-2,	(710)	s-2	R-tr
	(637)			

861.				
			110	C.O.
861.	B573a2-1-1-1, "213936 & "9402.	(711)	S-1½	A.O
	(662)			
862.	B573a3-2-3-3.	(712)	S-1½	A.O
	(6158)			
863.	B573a4-10-2-2	(713)	S-1	S-1½
	(6171)			
864.	B573a4-10-5-23,	(714)	S-1	S-1
	(6182)			
865.	Blue Bonnet 50.	(715)	S-2	S-2
	(Fd)			
866.	B571la1-18-3-1, (cp. 231½ & Bbl.) & "213936 (650)	(716)	S-1	S-1
867.	B571la2-42-4-2,	(717)	S-1	S-1
	(683)			
868.	B571la2-51-4-3,	(718)	S-1	S-1
	(6284)			

			H.O.	C.O.
869.	B57902-11-2-1, Bkt. 50 ℄ C. Rose. (5302) Lodged	(719)	S-1	S-1
870.	B57902-28-2-1, (707) Lodged.	(720)	S-1	S-1
871.	B57902-45-3-9, (5383) Lodged.	(721)	S-1	R.O
872.	B57902-45-33-1, (5471) Lodged.	(722)	S-1	S-1
873.	B593a10-30, Belle ℄ ((Cp. 23 1/3 ℄ Bkt.) ℄ 21582 (6613) Lodged.	(723)	S-1	S-1
874.	B58903-86-4-3, Bkt. 30 1/2 ℄ C. Rose. (559) Lodged.	(724)	S-1	S-2
875.	B58904-11-2, (562)	(725)	S-1	S-1
876.	B58904-18-1, (563)	(726)	S-1	S-1

			N.O.	C.D.
877.	B589a4-70-2-2, Det. 50/2 & G. Rose. (8971)	(727)	R-1	S-1
878.	B589a9-2-1, (569)	(728)	S-1	S-2+
879.	B589a9-36-2-4-7. (573)	(729)	S-1	S-2+
880.	B589a18-12-3-1. (3576)	(730)	S-1	S-2
881.	B589a18-12-4-2. (3582)	(731)	S-2	S-1
882.	B589a18-15-1, (576)	(732)	S-1	S-2+
883.	B589a18-15-2-4, (9001)	(733)	S-1	S-1
884.	B589a18-21-3-2-7, (578)	(734)	S-1	S-3

			HO	C.O.
885.	B589a18-42, (580)	(735)	S-1	S-3
886.	B589a18-71-1-1, (3664)	(736)	S-3	S-1
887.	B589a18-71-2-6, (3669)	(737)	S-1	S-2
888.	B589a18-71-2-3, (3672)	(738)	S-1	S-1
889.	B589a19-4-2-1-10, (585)	(739)	S-2	S-1
890.	B589a19-36-2-3, (3702)	(740)	S-3	S-1
891.	B589a21-95-2, (599)	(741)	S-2	S-1
892.	B589a30-14-4, (605)	(742)	S-2	S-1

			No	P.D.
893.	B589a30-21-1-3. Bet. 50/2 ≠ G. Rose, (3871)	(743)	S-3	S-1
894.	B589a30-28-2, (606)	(744)	S-1	S-1
895.	B589a30-46-3, (608)	(745)	S-1	S-1
896.	B589a18-21-1-4-9, (3148)	(746)	S-1	S-2
897.	B589a4-10-3, (8014)	(747)	S-3	S-1
898.	B58-9T-2T-1P Cp. 231 ≠ G. Rose (9733)	(748)	S-1	S-1
899.	B5T2a1-6-6-4P-1P. "215936 ≠ "9214, (9768)	(749)	S-1	S-1
900.	B5T1a1-2-3-1P. "210936 ≠ (Uni Sel. ≠ Bet.)) (8847)	(750)	S-1	R-0

			No	P.O.
901.	B5718a1-4-3-14. "2139346 cp.231 & (HILL Sel. & Bdt.]] (8849)	(751)	S-24	R-O
902.	B5718a1-43-2. (681)	(752)	S-1	S-½
903.	B5510Ba13-13 cp.231/3 & Bdt. (671)	(753)	S-1	S-½
904.	B5580a1-13-1-3, cp. 231 & Sho-17, (672) ½ P.O.	(754)	S-1	R-O
905.	B5580a1-13- (623)	(755)	S-2	R-O
906.	B5580a1-13-2-3, (8358)	(756)	S-1	R-O
907.	B5580a1-13-1-3, cp.231 & MTU-1, (8327)	(757)	S-14	R-O
908.	B5533a1-1-4-1, cp.231 & CRH-13, (9109)	(758)	S-3	S-1

			H.O.	P.O.
909.	B561a2-32-2-2, Irrad. Cp. 231 DW. & Rel. (771)	(759)	S-1	S-3
910.	B553a3-7-3. Cp. 231/2 & "8970 (8018)	(760)	S-2	S-1
911.	B551a17-4-1-1, Cp. 231/2 & "180,177. (8038)	(761)	S-3	S-2
912.	B551a30-3-2-2, (8042)	(762)	S-3	S-2
913.	Cp. 231. Tetra Sd. (682)	(763)	S-2	S-1
914.	Cp. 231. Tetra Sd. (684)	(764)	S-1	S-2
915.	Cp. 231. Tetra Sd. (685)	(765)	S-1	S-1
916.	Cent. Vat 231. (Bl.)	(766)	S-2	S-1

			1/0	P.O.
917.	B58121-13-2. (Cp. 231/3 & Bet.)/2 & #215936 (7630)	(767)	S-3	R-O
918.	B58123-8-3, (7632)	(768)	S-2	S-½
919.	B58123-39-2, (7657)	(769)	S-1	S-1
920.	B58126-17-1-1, (7713)	(770)	S-1	S-1
921.	B58126-83-3, (7718)	(141)	S-1	S-1
922.	B58126-181-1-4, (7723)	(142)	S-1	S-1
923.	B58126-473-2-2, (7749)	(143)	S-1	S-1
924.	B58126-874-4P. (8908)	(144)	S-1	S-1

			H.O.	C.V.
925.	B581a6-576-3-3-BK-1, Cp.231/3 × Blt/2 × ''215936, (2963)	(145)	S-1	S-t
926.	B581a6-645-2-2, ^ ˇdwt (9125)	(146)	S-1	R-0
927.	B551a7-4-1-2, Tf/2 × Dw Tf. (2005)	(147)	S-2	S-2
928.	B551a7-4-1-2, (2008)	(148)	S-1	S-2
929.	B551a8-1-1-2, (2014)	(149)	S-1	S-2
930.	B5617a4-38-2-3, Hct/2 × ''183331, (2122)	(150)	S-4	R-0
931.	B5617a22-10-1-2, (2134)	(151)	S-1	S-4+
932.	B5617a26-3-2-3 (2153)	(152)	S-1	R-0

			H.O.	C.V
933.	B5617a26-28-1, Red 1/2 & "183331. (2265)	(153)	S-3	R-D
934.	B585a1-109-2, Bkt. 50 & Dima. (2535)	(154)	S-3	S-Tr
935.	B583a1-11-3. Cp. 2314 & Dima. (2730)	(241)	S-2+	R-D
936.	B583a1-4-2. (2712)	(242)	MR-2	R-D
937.	B583a1-45-2. (2825)	(243)	S-2	S-Tr
938.	B583a1-56-4-2 & (2942)	(244)	S-2	R-D
939.	B584a1-6-3-1, Bkt. 30 & Jojaula (2977)	(245) Blt Typ	S-2	S-1
940.	B584a1-6-3. (3159)	(246)	S-4	R-D

			H.O	C.O
941.	B584a1-5-3-1-BK Blk. 304. Jojutla (2974)	(247) v. full	VS-5	R-O
942.	B584a1-13-2-2 (3007)	(248) full	R-2	R-O
943.	B584a1-13-2-2 BK. (3017)	(249) v. full	R-2	R.O
944.	B584a1-13-2-4. (3019)	(250) full	R-2	R-O
945.	B584a1-13-2-4. (860)	(251) full	R-1	R.O
946.	B584a1-16-5-2, (3233)	(252) full	S-14	S-1
947.	B584a1-16-5-2 (3239)	(253) v full	S-2	S-1
948.	B584a1-16-5-2, (3242)	(254) v full	S-3	R-O

			HO	C.O.
949.	B584a1-16-5-2 Bet. 507 Jojutla. (3027)	(341)	S-3	R-O
950.	B584a1-16-5-2, (3030)	(342)	S-3	R-O
951.	B584a2-63-3-1, lower beam (3262)	(343)	R-1	R-O
952.	B584a1-30-1-1, dead lower beam (3038)	(344)	S-3	R-O
953.	B584a1-30-1-2, dead lower beam (3061)	(345)	S-3	R-O
954.	B584a1-30-3-1, dead lower beam (875)	(346)	S-3	R-O
955.	B584a1-30-4-1, (881)	(347) dodger	HR-2	R-O
956.	B584a1-21-1-1, (3036)	(348)	S-4	R-O

			Hd.	C.V.
957.	B584a1-34-1-1, Bot. Soil & Fajilla (810)	(349)	S-4	R-D
958.	B584a1-35-3-1, (811)	(350)	S-4	S-1
959.	B584a1-37-4-1, (3076)	(351)	S-3	S-1
960.	B584a1-43-2-1, (814)	(352) Lobster	S-3	R-D
961.	Fajilla (892)	(353) Lobster	MR-4	R-D
962.	B584a2-8-2-1, (838)	(354)	S-3	R-D
963.	B584a2-13-2-1, (808)	(441)	MS-3	S-1
964.	B584a2-24-3-1, Bot. Soil (3103)	(442)	S-3	S-1

			1/6	C.O.
965.	B584a2- Bec.50 f. Jo jun 14. (883)	(443)	MS. 4	R.O
966.	B584a2 - 63-1-4, (3114)	(444)	MS-2	R-O
967.	B584a2-63-3-1, (3118)	(445)	MS-3	R.O
968.	B584a2-63-3-1BK. (3121)	(446)	MS-3	R-O
969.	B584a2-63-3-2 (3125)	(447)	S-3	R.O
970.	B584a2-63-4-1, Dead lower leaves (3128)	(448)	S-3	R.O
971.	B584a2-63-4-2, Dead lower leaves (3135)	(449)	S=4	R.O
972.	B584a2-63-4-2, dead lower leaves (3137)	(450)	S-3	R-O

			H.O.	C.O.
973.	B584a2-75-3-4, Blt. 50 x Jodatta (902)	(451)	S-3	R-0
974.	B584a2-75-3-1, (3144)	(452)	S-3	S-½
975.	Bluebonnet 50. (Fd)	(453)	S-2	S-2
976.	B582a1-30-3-7. (820)	(454)	MS-4 Purple	R-0
977.	B582a1-31-1-2, (3301)	(541)	~~S~~ MS-3 Purple	R-0
978.	B582a1-40-3-3, (3319)	(542)	MS-4	R-0
979.	B582a1-40-3-1, (3307)	(543)	S-4	R-0
980.	B582a1-41-1-3. (3324)	(544)	MS-3	R-0

Wood from Crown

			HO	CO
981.	B582a1-41-4-2, Cp-2317-Nojuela (3329)	(345)	MS-4	S-4
982.	B582a1-41-4-3BK (3337)	(346)	S-4	R-0
983.	B582a1-49-4-1, (3339)	(347)	S-3	R-0
984.	B582a1-42-3-1, (3343.)	(348)	S-4	R-0
985.	B582a1-63-4-3, (825)	(349)	S-4	R-0
986.	B582a1-7-2-1, (903)	(350)	S-4	R-0
987.	B582a1-14-3-1, (906)	(351)	S-3	R-0
988.	B582a1-13-2-1, (3274)	(352)	S-4	R-

989.	B582a1-36-2-2, cp. 231 ✗ YoVuTLa (913)	(553)	Ho S-4	C.G. R-0
990.	B582a1-36-2-1, (3303)	(554)	S-4	R-0
991.	B582a1-49.4-3, (920)	(555)	S-2	R-0
992.	B574a1-32-3-9-1, "9214 ✗" 9383, (6284)	(101)	S-3	S-1
993.	B574a1-22-3-9-2, (6302)	(102)	S-3	S-1
994.	B575a1-27-4-3-2, "9214 ✗ (cp. 231 ✗ "9122,) (6330)	(103)	S-3	S-1
995.	B575a1-48-2-2-1, (6336)	(104)	S-4	S-1
996.	B575a1-57-2-2-3, (6344)	(105)	S-3	S-1

			HO.	C.O.
997.	B573a1-57-3-10-1, "9214 ✗ (cp231 ✗ "9122) (6347)	(106)	S-4	S-½
998.	B593a9-2-1, Belle ✗ [cp231/3 ✗ Bcd/2 ✗ "213936)] (6452)	(107)	S-4	S-½
999.	B593a9-5-2, Belle ✗ [(cp231/3 ✗ Bcd/2 ✗ "215936. (6459)	(108)	S-4	R-0
1000.	B593a9-7-1, (6469)	(109)	S-3	R-0
1001.	VeC-10 (106)	(110)	S-2	S-1
1002.	Palmira (No. Seed)	(111)	S-3	R-0
1003.	B593a9-20-2, (6517)	(112)	S-3	R-0
1004.	B593a10-3-2, (6230)	(113)	S-2	S-½

			H.O	C.O
1005.	B393a10-2-1, Belle ✗ [(cp231/3 ✗ Bet 1/2 ✗ "215936.)] (6545)	(114)	S-3	S-1/2 ✗
1006.	B393a10-14-3, (6566)	(201)	S-3	S-1
1007.	B393a10-24-3, (6579)	(202)	S-3	R.O
1008.	B393a10-25-2, (6582)	(203)	S-4	R.O
1009.	B393a10-29-1, (6606)	(204)	S-3	R.O
1010.	B393a10-37-6, 1/2 P.O (6633)	(205)	S-2	R.O
1011.	B393a11-1-3, (6643)	(206)	S-3	S-1
1012.	B393a11-7-3, (6658)	(207)	S-2	S-1

			H.O.	C.G.
1013.	B593a11-13-3, Belle × [(cp231 × Bbt/$_2$ × "215934)] (6677)	(208)	S-4	R-0
1014.	B593a11-14-3, (6681)	(209)	S-4	S-1
1015.	B593a11-15-3, (6684)	(210)	S-4	S-1
1016.	B593a11-25-2, (6714)	(211)	S-3	S-½
1017.	B593a11-30-1, (6726)	(212)	S-4	S-1
1018.	B593a11-38-3. (6747)	(213)	S-4	R-0.
1019.	Belle Pat. (FD)	(214)	S-4	S-2
1020.	B593a17-2-3 (6753)	(301)	S-2	R-0

			H0	C-G
1021.	B593a17-13-2 Bdle 4 (ep. 231/3 4 Bat. 1/2 4 "21936.) (6774)	(302)	S-3	R-0
1022.	B593a17-16-1, (6779)	(303)	S-2	R-0
1023.	B593a18-1-2 (6784)	(304)	S-2	R-0
1024.	B593a18-3-2, (6806)	(305)	S-2	R-0
1025.	B593a18-19-3, (6838)	(306)	S-34	R-0
1026.	B593a18-21-1, (6843)	(307)	S-3	S-1
1027.	B593a18-24-2, (6850)	(308)	S-4	S-1
1028.	B593a21-13-1, (6903)	(309)	S-4	S-1

			116	C.O
1029.	B593a21-16-3, Belle & (cp.231/3 & Bat)/2 & "215936. (6914)	~~(309)~~ (310)	S-4	R-O
1030.	B593B6-4-2 (6923)	(311)	S-3	S-1
1031.	B593B6-16-1, (6953)	(312)	S-4	R-O
1032.	B593B6-17-3, (6958)	(313)	S-3	R-O
1033.	B593B6-21-3, 1/2 R.O. (6971)	(314)	S-4	R-O
1034.	Belle Bat. (Fd)	(401)	S-34	S-1
1035.	B5816-698-1, (cp.231/3 & Bat)/2 & "215936. (7770)	(402)	S-2	R-O
1036.	~~Brun~~ - Wase. (9475)	(403)	S-3	R-O

			HG	C.O.
1037.		(404)	S-3	R-O
	(9477)			
1038.	Dunn Mccari	(405)	S-3	R-O
	(9479)			
1039.	Alloris P.O. 244080	(406)	S-3	R-O
	(9557)			
1040.	Alloris P.O. 244080.	(407)	S-3	R-O
	(9557)			
1041.	B53194a1-7-2-2, Cp-2317 "8970.	(408)	S-2	R-O
	(539)			
1042.	Sel-24 Cody #"160878,	(409)	MR-2	R-O
	(8415)			
1043.	Possibly NATO?	(410)	S-3	S-1
	(737)			
1044.	Palmira.	(411)	S-3	R-O
	Mo. Seed.			

			H0	C.O.
1045.	B57Ha1-3-3, "9214 & "9383 (301)	(412)	S-3	S-1
1046.	B57Ha1-48-3-2-2, (309)	(413)	S-3+	S-1
1047.	B57Ha1-56-1-6-1, (312)	(414)	S-4	S-7½
1048.	B58126-17-1-2, (cp.231⅓ & Bal)/ & " 215936.2 (7711)	(301)	S-2	R-0
1049.	Vegold. (106)	(302)	S-2	S-1
1050.	B58123-59-2-2, (7636)	(303)	S-2	R-0
1051.	B58123-8-3-3, (7634)	(304)	S-2	R-0
1052.	B58121-13-2-3, (7631)	(305)	S-2	R-0

			110	CO,
1053.	B58CA5-1-2-1, Cat 30 # 215936. (7619)	(506)	S-2	S-1
1054.	B5818A15-101-2-2, G. Kase # 215936, (7576)	(507)	S-2	R-O
1055.	B5818A15-101-2-1, (7575)	(508)	S-3+	R-O
1056.	B5818A15-15-2-1, (7445)	(509)	S-1+	R-O
1057.	Colusa. (1)	(510)	S-2	R-O
1058.	B547A1-81-4-5-1, "9214 # "9383. (515)	(511)	S-2	R-O
1059.	B575A1-10-4-4-3, (520)	(512)	S-2	R-O
1060.	B575A1-21-3-6-1, "9214 # <RR231 # "9132) (522)	(513)	S-2	R-O

			No	Co.
1061.	B5T521-21-5-3-2, "9214 & (CP231 & "9122) (523)	(514)	3-3	5-1

June 17, 18, 19

CI 9481 + CI 9402
Stuttgart possible
release in future

CI 9556. Stg. 59201350.
Loops good in field
plots at Stg. CI 9453 x 9181

1201 Series
921 "
992 "
816

P.O. inoculations
Test No. 175-193

1963 ?

U. S. DEPARTMENT OF AGRICULTURE

BUREAU OF PLANT INDUSTRY, SOILS
AND AGRICULTURAL ENGINEERING

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

EXPLANATIONS OF HEADINGS AND ABBREVIATIONS OF TERMS USED.

SIZE OF PLOT.—Decimal fractions of an acre, as 0.1, 0.025, or, in the case of nursery rows, length in feet.

RATE OF SEEDING.—In pecks per acre.

DATES.—In figures, as 9/15 (=Sept. 15).

STAND.—In thousands of plants per acre wherever possible; otherwise in percentages.

SPRING SURVIVAL.—Given in percentages based on number of plants per acre surviving the winter as compared with stand the previous fall.

MANNER OF GROWTH.—e.=erect; sp.=spreading (of value in distinguishing spring and winter grains).

HEIGHT.—Given in inches; in the case of bearded varieties, measure to tip of heads, not to tip of beards.

INFECTION:

Smut and bunt.—Notes taken at time of ripening. State percentage of infected heads. For example, if 10 heads out of 100 are smutted, the infection is 10 percent.

Leaf rust.—Taken at time of full heading; state the proportion of infected surface in accordance with the accompanying scale.

Stem rust.—Taken at time of ripening; express in percentages as for leaf rust.

LODGING.—Given in percentages of plants lodged at time of ripening.

SHATTERING.—Given in percentages of shattered grain when fully ripe.

YIELD:

Total weight of crop.—Weight of total crop from plot both grain and straw, in grams, ounces, or pounds.

Grain per plot.—Grams, ounces, or pounds of threshed grain.

Straw per plot.—Difference between two preceding weights.

YIELD PER ACRE.—Calculated from plot yield, in bushels of legal weight; wheat, 60 pounds; oats, 32 pounds; barley, 48 pounds; rye, 56 pounds; emmer and spelt, 32 pounds; flax, 56 pounds; proso, 56 pounds; buckwheat, 48 pounds; rice, 45 pounds.

WEIGHT PER BUSHEL.—Actual weight as determined by the grain tester.

16—61741-1

GENERAL DATA

In case of the series of row or plot tests it is desirable to have all the constant conditions recorded for future reference. For these data the pages following may be used. The sample page shows the manner in which the general notes may be entered. In case several sets of experiments are recorded in a single book the conditions governing each may be given, the heading at the top of the page showing to which particular test the notes refer. The blank pages may be used for additional data, particularly to record the high, low, and mean temperatures, the rainfall, and the number of clear days for each month covered by the experiment.

16—61741–1

SCALE FOR ESTIMATING RUST

Diagram showing six degrees of rustiness, which may be used in estimating the percentage of rust infection on leaf or stem. The shaded spots represent rust, and the figures represent approximately the rust percentages computed on the basis of the maximum amount of surface covered by rust as shown in the 100% figure. This figure (No. 6 in the diagram) represents 37% of actual surface and is arbitrarily selected as 100%. Other percentages are in terms of No. 6.

This scale is easy of application. A number of leaves are gathered from the row or plot at random, and a number of plants carefully examined for stem rust; these are compared with the diagrams and the proper figures recorded in the notebook.

The plus or minus sign may be used to indicate a slightly greater or less amount of rust than the nearest figure.

While these figures may not express accurately the actual surface of host tissue rusted, they do provide a usable systematic method for recording rust infection, and will more intelligibly represent the facts than will figures showing resistance percentages or infection percentages on the 50% (maximum) basis.

16—61741-1

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.

Size.....1/20 acre.

SOIL

Kind.....Prairie loam.

Position.....Somewhat rolling.

Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....

Disk..... Osborn.....Sharp.

Harrow..... U Bar.....Good.

Seeder..... Monitor.....Good.

.....

SEED

Variety.....Variable.

Weight per bushel.....Variable.

Source.....Variable.

Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half).....4–6–'08.
2. Disked (lapped half).....4–10–'08.
3. Harrowed.....4–10–'08.
4. Harrowed.....4–27–'08.
5. Seeded.....4–27–'08.
6. Harrowed.....4–27–'08.

SEEDING

Manner.....Drilled.

Date.....4–27–'08.

Rate.....3 bushels per acre by weight.

U. S. GOVERNMENT PRINTING OFFICE 16—53084–1

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-1

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-1

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-1

_____ TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-1

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-1

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-1

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-1

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

16—53084-1

Test # 175: Inoc. 3/30/65. ✓ ✓

	G4A1 ✓	G4A2	G4A3	G4A4
	4/5	4/5	4/5	4/5
1. Zenith	0	1, 2	0	0 3
2. Calow	4	4	4	4
3. Koc	1, 2, 3, 4	2, 3, 4	2, 3, 4	2, 4
4. CI 8970-S	4	5	4	5
5. P.I. 5309	0	1	0	0
6. PI 180061	1	1, 2	1	0
7. P.I. 201902	1	1	1	0
8. C.I. 8970-P	4	5	4	4
9. Peyow	4	[4]	4	4
10. Usen	0	1, 2	0	0
11. Taichung 65	1	1, 2	0	1, 3
12. Nowin 1	3F	1, 2	4F	4F
13. Nowin 17	0	2, 3	1, 2	3F
14. Nung-lin 21	4F	4F	0	0
15. Pi No. 1	0	0	0	0
16. Kaoroan	1, 2, 3	1, 2, 3	2, 4	3, 4
	Rock	Rock	Rock	Rock

Rack 9

64A5 ✓	64A7 ✓	64A8 ✓	64A9 ✓	64A10 ✓	64A11 ✓
4/5 / 0	4/5 / 0	4/5 / 0	4/5 / 2,3	4/5 / 0	4/5 / 0
5	4	4	4	4	0
4*	4	4	4*	4	2,4
5	5	5	5	4	4
0	0	0	4	0	0
0	0	0	4	0	0
0	0	0	0	1/2	0
5	4	5	4	5	4
4	[2]	4	4	4	4
0	0	0	2+	0	0
2 fn4	4F	4F	0	4F	4/2
4F	4F	4	4	4F	1
4	4F	4	fn4	4F	fn4
0	4F	0	4	4F	0
0	0	0	0	0	0
2,4	2,3 fn4	2,4	4	2,3,4	1,2
Rack	Rack	Rack	Rack	Rack	light infect

Test. No. 175 Conf. Inf. 3/31/65

	64T-1	64T-2	64T-3	64T-5
1. Zenith	0	1	0	1
2. Calow	4	0	5	4
3. Pocrose	1, 2, 3	1, 2	2, 3, 4	2, 3, 4
4. C.F. 8970-S	5	4F	5	5
5. C.I. 5309	0	[0]	0	0
6. P.I. 180061	0	0	1, 2	1, 2, 3, 4
7. P.I. 201902	0	1	1	1, 2, 3, 4
8. C.I. 8970-P	5	4F	4	4
9. Kafow	[4]	—	[4]	4
10. Usen	0	0	2, 3	1
11. Taichung 65	0	0	2, 3	1, 2, 3
12. Nan 1	0	0	0	1, 2
13. Nan 17	0	0	2	1, 2
14. Nang-hsi 21	0	0	0	0
15. Pi No. 1	0	0	4	0
16. Kaoshiung	0	2	1, 2	0/4?

Rice 16

-7	64T9	64T11	64T12	64T13	64T14	64T15
0	0		1	1,2 ?=3	1	1
4	4		4	4	5	4
—	1,3,3,4		1,3,3,4	4*	2,3,4	1,2
—	4		4	5	5	4
1	0		0	0	0	0
1	1		1	0	1,2	0
1	1,2		1	0	1	0
4	4		4	5	5	4
3,4	—		4	—	4	4
0	0		1,2	4	0	0
2 4	0		1,2	3+	1	0
—	1,2		1,2	1	2,3	0
0	1		1,2,3	1	0	0
24	1,2,3		1,2	4	1	0
.	0		1,2	3	0	0
	1,2		1,2	4	1	Light probe

Test No. 175, cont'd

	64T17	64T18 ↓	64L1 ↓	64L11 ↓	6
1. Zenith	1, 2 1, 2 3	0	0	1	
2. Calora	4	4	4	4	
3. Loc.	1, 2 3 4F	1, 2, 3, 4	0	1, 2, 3	
4. CI 8770-S	5	5	4	5	
5. CI 5309	0	0	0	0	
6. PI 180061	1, 2	1, 2	0	1	
7. PI 201902	1, 2	1, 2	0	1	
8. C.I. 8970-P	4	4 L	4	4	
9. Kfora	5	4	—	4	
10. Usen	1, 2	1	0	1, 2	
11. Taichung 65	4	4	0	4	
12. Nonin 1	4	4	0	4	
13. Nonin 17	4	4	1, 2	1, 2, 3	
14. Nong-lin 21	1, 2, 3 4F	4F	0	1, 2	
15. Pi No. 1	4	4	0	4	
16. Kamrose	4	4	1, 2 poor germ.	1, 2 3F 1, 2/3?	

↓	↓	↓	↓		↓	↓
4	64L10	64L20	64L28	64L24	64L25	64L26
4	1	1	0		0	1
4	4	4	4		4	4
4F	4F	4F	4		4F	4
5	4	4	4		5	4
1	0	0	0		1	0
1	1, 2	1	1		1	1
1	1, 2	1	1		1	1
5	4	4	4		4	4?
5	[4]	4	4		5	-
F	4F	1, 2	1, 2		1, 2	1, 2
4	4F	4	4		4	1, 2
1	4F	4	1, 2		4	1, 2
1	4F	4F	4		4	1, 2, 3
F	4F	0 4F	1, 2		1, 2, 3 4F	1, 2, 4
1	4	0	1, 2, 3		1, 2, 3	1, 2, 3
1	4	1/4	1/4		1/2/4	4

Test No. 179 from 0.15.

Test No. 179, Cont.

	G4L27	G4L28	G4L32	G4L34	
1. Zenith		4?	1, 2	4?	
2. Calow		4	4	4	
3. hoc		4	4		
4. CI 8970-S		4	5	5	
5. CI 5309		4	0		
6. PI 180061					
7. PI 201902					
8. CI 8970-A		5	5	5	
9. Ryou		4			
10. Usen		1, 2			
11. Taichung 65					
12. Nouin 1					
13. Nouin 17					
14. Nung-lin 21					
15. Pi No. 1					
16. Kenrose					
		5309			
		3			

64L39	64L40	64L41	64L47
36	~~23~~	~~1~~	
—		1, 2	1, 2	—
4		4	4	5
		—	2, 4	
5		4	5	5
0		0	1, 2	1, 2
			1, 2	
			1, 2	
5		—	5	5
4			4	4
2			4	1, 2
			1, 2	

Mean
5

Test No. 176.

Sown 4/7/43

	6440	6447	64433	64413
1. Zenith	1	1, 2	1	1
2. Calow	1	1	4	0
3. Hoe	1, 2	1	1, 2	0
4. CI 8970-S	4	4	5	4
5. CI 5309	1	1	5	0
6. PI 180061	1, 2	1	4	1
7. PI. 201902	1, 2	1	1, 2, 3	0
8. CI 8970-P	1, 2	1	4	0
9. Rojo	1, 2 2+1	1, 2, 3	4	2
10. Bulfore	1, 2	1, 2	1, 2	1
11. Rominell St. 3	1	1, 2	1, 2	0
12. Hog-Hog.	0	0	0	0
1. Te. Tepa	0	0	1, 2+	0
2. Tahuran	0	1	1, 2, 3	0
3. Uses	1, 2	1	1, 2	1
4. Chorato	0	0	4	0
5. Yaqui Ro	1, 2	0	4F	0
6. Kanto 51	1	1	4	0
7. Ochiai-Shirale	1, 2	1	4F	0
8. Hanae-michiki	-	0	0	0
9. Beiga	1, 2	0	0	1-2
10. Norin 22	1	1	0	1-2

9 mo. 4/12/63

64T3	64T9	D-1	D-73
0	0	0	0
4	4	2	4
1, 2	1, 2, 3	0	2
4	1, 2	4F	4
1	0	0	0
1, 2	1	0	1
1, 2	1	0	1
4	4	2	[2]
—	[4]		4
1	1		1
1, 2	1, 2		1-2
1	1		1
1, 2			1
1, 2			1
3, 4			1
1			0
0	0		1
[0]	0		1
4F	4		2, 3
—	4		2
1	1		2
0	0		2

Test 176, Cont'd

grade. 4/7/65

	64L10	64L47	64L33	64L13
5-11 Aichi Asahi	1,2	1,2	4	1,2
12. Norin 20	1,2,4?	1,2	4	1,2
C-1. Taichung 65	0	0	4F	0
2. Taichung 171	0	0	0	0
3. Chianung Yu 280	0	0	0	0
4. Chianung 240	0	0	4	0
5. ~~Kaohsiung~~ Toto	0	1	1,2,3,4	0
6. Pai-Man Hao	0	0	0	0
7. Taichung line 33	0	0	0	0
8. ~~Kaohsiung~~	4	4	4	2,3,4
9. Kaohsiung.	1,2	1,2	4	0
10. Taichung-ti-chio	3+ 1,2	0	1,2,4	0
11. Contagdale	–	–	4	0
12. Natala	1	1	4	0
13. Kanto 51	0	0	4	0
14. Nung lin 21	1,2	0	4	0
15. Senshu	1	[0]	1,2	0
16.	1,2,3	[0]	4?	0

6473	6479	10-1	10-73
4	4		4
[4]	[4]		[2]
1			0
1			0
1			0
-			4F
1			2
1			0
4			0
4			[0]
1			4F
1, 2, 3			3
1			4F
1			[0]
1			0
1			0
1			1
[4]			-

Test 177 Re-inc 6/17/65 - Inoc. 5/11/65 -

	64L33	64A9	64T5	64T9	G
1. Zenith	0	1, 2	0	0	
2. Calow	4	3, 4	5	5	
3. Locust	2, 3, 4F	3F	1, 2	1, 2, 3	
4. 8970-S	4	4	5	5	
5. 5309	4	4	0	0	
6. 1800 G1	4	3	2, 3, 4F	0	
7. 201902	0	0	2, 3, 4F	0	
8. 8970-P	4	4	5	5	
9. Rayon	1, 3, 3	1, 2, 1, 3	4	4	
10. Bulgar	0	0	0	1	
11. Nominal S.3	1	0	1, 2	1, 2	
12. Wag-Wag	0	0	0	0	
1. Te-Tep	0	0	0	0	
2. Tadu Ron	0	0	0	0	
3. Usen	1-4	1, 2	2, 3F	0	
4. Charato	1-4	0	1, 2	0	
5. Yakei Ka	4		3-4	0	
6. Kanto 51	4		4	0	
7. Sakikai	2, 3, 4		4	4	
8. Hongan	0		1, 2	1, 2	
9. Sanga	2		3	1, 2, 3	
10. Nomad 22	1-4		2, 3	1, 2, 3	

9 mc. 5/19/65 + 9 mc. 5/24/65

T-3	64T13	64T17	64L10	64L41	64L21	64L34	L-2
1,2	1, 2	1, 2	1, 2, 3, 4	1, 2	1, 2	4	2, 3
5	4	5	1, 2 in 3	1, 2 in 4	4	4	4
2, 3, 4	4*	1, 2, 3	0	1, 2, 3, 4	1, 2, 3, 4	2, 3, 4	4
5	5	5	5	5	5	5	5
1, 2	0	1, 2	0	0	0	4	1
2	1, 2	1, 2	1, 2, 3, 4	1, 2	1, 2	2, 3	1, 2
2	1, 2	1, 2	0	1, 2	1, 2	1, 2	1, 2
5	5	5	1 in 3	1, 2 / 5	5	5	5
5	5	5	1, 2, 3, 4	1, 2, 4	5	5	4
1, 2	1, 2	1, 2	1, 2, 3, 4	1, 2	1, 2	4	1, 2
1, 2	1, 2	1, 2	1, 2	1	1, 2	1	0
1, 2	1, 2	1, 2	0	0	1, 2	1	1, 2
2, 3	1, 2	1, 2	1, 2	1	1, 2	1, 2	1, 2
2, 3	1, 2, 3	1, 2	1, 2	1	1, 2	1, 2	1, 2
2, 3	5	1, 2, 3	1, 2	4	4	1, 2	5
0	1, 2	1, 2,	0	0	1, 2	4	0
1, 2	1, 2	1, 2	0	0	1, 2	4	1
1, 2	1, 2	1, 2	0	0	1, 2	4	1
4	1, 2, 3	4	0	1, 2	1, 2, 3	3, 4	4
1, 2	1, 2	1, 2	0	1, 2	1, 2, 4	1, 2	1, 2
1, 2	1, 2	1, 2	0	0	1, 2, 3	1, 2	1, 2, 3
1, 2	1, 2	1, 2	0	0	1, 2	1, 2	1, 2

Test No. 177, Con't.

	64L33	64A9	64T5	64T9	64
11. Taichi Gaohi	4		4	4	
12. Nanri 20	4		4	0	
1. Tai Chung 65	0		2, 3	1, 2	
2. Tai Chung 171	0		3F	1, 2	
3. Chiayung 280	0		0	0	
4. Chiayung 24i	0		4	4	
5.	0		1, 2	0	
6. Pai Kan Tao	0		4F	0	
7. Tai Chung Lai 33	4		4	4	
8.	2, 3		4	4	
9.	2, 3		4	4	
10	2, 3		4	4	
11. Centiquacle	4		4	4	
12. Natale	4F		4F	4F	
13 Kan To 51	4		4F	0	
14 Nung Lin 21	0		2	4F	
15. Sendow	0		2	0	
16.	4	4	5	4	

T3	64T-13	64T17	64L10	64L41	64L21	64L34	L2
4	4	4	3,4F	4	4	4	4
4	4	4	3,4F	4	4	4	4
2,3	1,2,3	1,2,3	0	0	1,2	1,2	1,
0	1,2	1,2,3	0	0	1,2	1,2	1,2
2	1,2	1,2	0	0	1,2	2,3	1,2
4	4	5	0	4	4	1,2,3	4
1,2	1,2	1,2,3	0	0	1,2,3	1	1,2
2	1,2	1,2	0	0	1,2	1	1,2
4	4	4	0	0	4	1	4
4	4	4	4	4	4	1,2,3	4
4	4	4	4	1,2,4	4	1,2,3,4	4
2,3,4	4	4	0	1,4	4	1,2,3	4
2,3,4	4	4	0	1	4	1,2,3	4F
0	4	1,2	0	4F	4	1,2,3	1,2
2	0	0	0	1	1,2,3,4	4	1
2	4	1,2	0	0	4	2,3,4	4
2	1,2,3,1,2,4	1,2	1,2	0	1,2,3,1	1,2	1,2
5	5	5	1,2,3	1,2,4	4	4	5
	good infect [illegible] lesions				lesions Nov. 21 S		

Test #178. Crawley Selections
1-80. 9 Nov. 4/21/65
$9.13

	1964 Crawley III	Pool
1.	6227-1. RR4 x LuA.	4
2.	-2 "	4
3.	-3 "	4
4.	-4 "	4
5.	-5. "	4 4
6.	-6 "	4
7.	-7. "	4
8.	-8 "	4
9.	-9 "	4
10.	-10. "	2
11.	6254. RZ/SG x RAU.	4
12.	"	4
13.	"	1
14.	"	1
15.	"	1
16.	"	1/4
17.	"	1
18.	"	1
19.	"	1
20	"	1
21.	6216. RR/R-252 x RZ/RR	1/4
22.	"	4

		Roc 1
23	6216. RR/R-752X RZ/RR	4
24	"	4
25	"	1/4
26	"	1/4
27	"	1/4
28	"	4
29	"	1/4
30	"	4
31	"	4
32	6202. C/NO X RR-250M	1/4
33	"	1
34	"	1
35	"	1/4
36	"	1
37	"	1?
38	"	1?
39	"	1?
40	"	1?
41	"	1
42	6206. RZ/Roc X Col. Early IC 31	1, 2/4
43	"	1, 2
44	"	1, 2

Test 178, cont. Crowley Sel.

	Reel
45. 6206. RZ/LG x ed. Early. 1621	1/4
46. "	4
47. "	1/4
48. "	1/4
49. "	4
50. "	4
51. "	1
52. 6261. RZ/250 MX Nat./250 m	1
53. "	1
54. "	1
55. "	4
56. "	4
57. "	1/4
58. "	1/4
59. "	0
60. "	1/4
61. "	1/4
62. 6214. CI 9439 x 9454	0
63. "	0
64. "	0
65. "	0
66. "	0

		Root
67.	6214. 9439x 9454	1/4
68.	"	4/4
69.	"	0
70.	"	1/4
71.	"	1/4
72.	6205. cI 9439x c/h612	4
73.	"	4
74.	"	0/4
75.	"	0/4
76.	"	1, 2
77.	"	1/4
78.	"	1/4
79.	"	1, 2
80.	"	4, 2
81.	"	4
82.	6215. 9439x Nia	4, 1
83.	"	3/4
84.	"	4
85.	"	4
86.	"	3/4
87.	"	3/4
88.	"	3/4

Test No. 178, cont. Crowley Sel.

		Pixel
89. 6215. 9439X	Mica	3/4
90. "		7/4
91. "		2/4
92. 6208. Nat-/F,X RR-250 M		0
93. "		0
94. "		0
95. "		0
96. "		0
97. "		0
98. "		0
99. "		0
100. "		0
101. "		0
102. 5038. B.C X Liz.		0
103. 5036. RZ X 250 M (Bk) Op.		0
104. 5037. N 670 X 250 M		0
105. 7142. gl		5
106. 7117. bl, gl, Bk		4
107. 7118. wh		4
108. 7133. Sh, Rd, Tl		3
109 7131. Bk, Rd, Au		4
110. 7355. bl, gl		[illegible]

		Reac 1
111	7368. fl, Pnp, Rd, wx	4
112	7391. bl	—
113	4613. Tetraploid (1963)	0
114	7300. lgt from Rg/Rd. rc	0
115	7213. Rd, Plm	4
116	7270. Lgr, Pu, Pin Bl, Sh	4
117	250-2-2	0
118	7190. RR Ep, gl, Sh.	2
119	7364. d, Rh	4
120	7192. PI 24500 Heavy Pubescence	[4] HP
121	7392. long panicle	4
122	7394. reverse roll	4
23	java lgt	4
24	7268. Plt dies when mature	4
25	7357. Pi?	2,3
26	7269. Big H.O. spot.	—
27	7169. Discolored rachis	4
28	7172. fl	4
29	7173. fl	5
30	7261. fl an, e, gh, wx	4
31	7262. é, fl Pnp, Sh, (dl?)	5
32	7263. fl.	4

Test No. M78, cont. Crowley Sel.

		Recal
8	133. 209. R-2X16:	1
9	134. 208. R-2X16c	1
9	135. 207. R-2X250. M	2
9	136. 204. CF 9540.	0
9	137. 62-5214. A3	0
9	138. 5717	5
9	139. 5010.	0
9	140. 5712. R-2X 250 M yh	5
9	141. 5004.	0
9	142. 214. NATO (CB)	0
9	143. 212. L-M X NATO	0
10	144. 211. NATO X250 Maj.	0
10	145. 210. R-2 X250. M	4
10	146. 6201-1. C/X10 X942)	0
10	147. 6201-2. "	0
10	148. -3	0
10	149. -4	0/4
10	150. -5	0
10	151. -6	0/4
10	152. -7	0/4
10	153. -8	2
11	154. -9	0/4

			R	Rec'd
155	6201-10			0/4
156	-11			0
157	-12			0
158	-13			0
159	-14			0
160	-15			0
161	8701.	GIR3737		
162	1333	R.R.G.X 57F; 6067		
163	7010.	Rgt A		
164	8421.	C/NO shortstraw		
165				

Test #179

	64A1	64A2	64A3	64A4
1. Zenith	0	0	0	0
2. Colonial	5	5	4	5
3. Lac	2	1,2	4tr	0
4. 8970-5	5	5	4	5
5. CE 5309	0	0	0	0
6. PI 180061	1,2	1,2	1,2	1,2
7. PI 201902	2,3	1,2	1	2
8. CE 8970-D	5	5	4	5
9. Regina	4	4	4	5
10. Lesser	0	1,2	0	1,2
11. Taichung 60	1	2,3	0	1,2
12. Nonin 1	2,3,4F	1,2,3,4F	3F	3F
13. Nonin 17	2,3	1,2,3	0	2,3
14. Mayhi 21	0	1,2,3	0	2,3
15. PI No. 1	1	1,2,3	0	0
16. Kenmore	1,2	1,2,3	1,2	1,2

AS	A-7	64A9	64A10	64A11	64T1	64T2
0	0	1, 2	0	0	0	1, 2
5	4	5	4	4	4	2
2	4	4	1, 2	0	4	2
–	4	5	4	4	4	2, 3
0	0	5	0	0	0	0
2, 3	0	4	1	2	1	0
1, 2	0	1, 2	1	0	1	0
5	4	5	4	4	4	2, 3
5	4	4	4	4	4	2
1, 2	1	1, 2	0, 3F	2, 3F	0	1, 2
1, 2, 3	0	1, 2	0, 3F	0	0	1, 2
1, 2, 4F	3F	4F	4F	2, 3F	2, 3F	1, 2
2, 3	0	2, 3F	4 [illegible]	0	0	1, 2
1, 4	3F	1, 2, 3F	0	1, 2	2, 3, 4F	1, 2
1, 2	0	0	0	0	0	1, 2
1, 2	2, 3	1, 2, 3	1, 2 [illegible]	1, 2	2	1, 2

Test 179 Cont ✓

	64T-3	T-5	T-7 ✓	T-12 ✓
1. Zenith	1, 2	0	0	1, 2
2. Colonial	5	5	5	5
3. Lee	2-1	2	1, 2	2
4. CE 8970-S	5	5	5	5
5. CE 5309	0	0	0	0
6. PE 180061	1, 2	2, 3, 4	1, 2	1, 2
7. PE 20190-2	1, 2	2, 3, 4	1, 2	1, 2
8. CE 8970-P	5	5	5	5
9. Regency	5	5	4	5
10. Crosley	2, 3	2, 3	1	1, 2
11. Taichung 65	2, 3	2, 3	1	1, 2
12. Norin 1	2	2, 3	1	1, 2, 3
13. Norin 17	2. 3	2, 3	1, 2	1, 2
14. Nong. Lin 21	1, 2, 3	2, 3	1	1, 2
15. Pi No. 1	4, 5	1, 2	1	1, 2
16. Kenmore	1, 2	2, 3	1, 2	1, 2

✓	✓	✓	✓	✓	✓	✓
3	T-14	T-17	T-15	T-9	64-22	L-3
2	2 ?	0	0	0	1, 2,3	1, 2
5	4	5	4	4	5	5
,4	2	2, 3	1, 2	2, 3,4F	4	2, 3
-	5	5	–	5	5	5
0	0	0	0	0	1, 2	2, 3
2	1, 2	1,2	0	1, 2	1, 2	2, 3
2	1, 2	1	0	1, 2	1,2	2, 3
5	5	5	–	5	5	5
2	5	5	4F	4	5	5
4	2	1,2,3	0	1,2	5	1, 2
2	1,2	2, 3	0	1, 2	2,3	1, 2
3	2, 3	1,2,3,4	0	2, 3	2,3	2, 3
1	2	1,2,3,4	1, 2	1, 2	4	2, 3
1	2	1,2,3,4	4F	4F	4	2, 3
F	1, 2	1,2, 3	0	0	4	4 ?
?	1, 2	1,2, 3	1, 2	1, 2	1,2,3 Usal-S Billy-S [illegible]	2, 3

180

Test ~~1899~~

	64L11	64L14	64L-10	64L19
1. Zenith	1, 2, 3	1, 2	0	1, 2
2. Calso	5	5	1, 2	4
3. Lac	2, 3	1~4	0	2, 3
4. 8970-3	5	5	4	5
5. 5305	2, 3	2, 3	0	0
6. 18061	2, 3	2, 3	0	0
7. 20190-2	1, 2	2, 3	0	2, 3
8. 8970-P	5	5	4	5
9. Afore	—	5	4	4
10. Lear	1, 2, 3	2, 3	1, 2	1, 2
11. Taichung 65	2, 3	2, 3	0	1, 2
12. Nori 1	2, 3	2, 3	10	2, 3
13. Nori 17	2, 3	2, 3	1~4	2, 3
14 Nanfa 21	2, 3	2, 3	1~4	2, 3
15. Pi No. 1	2, 3+	2, 3	1~4	2, 3
16. Kasmir	2, 3/4	2, 3	0	2, 3/4

64L20	64L21	64L22	64L23	64L25	64L26
0	4?		1, 2	1	0
4	5		4	4	4
4F	4		4	2, 3	2, 3
4	5		5	4	5
0	2, 3		2, 3	1	2, 3
0	2, 3		2, 3	1	2, 3
0	2, 3		2, 3	1	2, 3
4	5		5	4	5
4	4		4	4	4
0	4		1, 2	1, 2	1, 2
3F	2, 3		2, 3	1, 2	1, 2
3F	2, 3		2, 3	1, 2 + 3	1, 2
3F	4?		2, 3	1, 2	1, 2
3F	4?		2, 3	2, 3	2, 3
3F	4		2, 3	1, 2	2, 3
3F	4		2, 3	1, 2	2, 3
light rifat	heavy S Pi 04-3			light rifat	

-Test 180, Cont'd

	64L27 ✓	64L28 ✓	64L32 ✓	64L34 ✓
1. Zenith	1,2	2,3	1,2	3,4
2. Colon	5	4	4	4
3. Lee	2,3	4?	4	4
4. 8970-S	5	5	5	5
5. 5309	2,3	4	1,2	4
6. 180061	2,3	2,3	1,2	2,34
7. 201902	2,3	2,3	1,2	1,2
8. 8970-P	5	5	5	5
9. Ray.	5	2,3	4	4
10. Lesan	2,3	1,2-4	1,2	2,3
11. Taicheng 65	2,3	0	2,3	2,3
12. Nomi 1	2,3	1,2	2,3	2,3
13. Nomi 17	5?	1,2	4?	2,3
14. Nomi 21	2,3	2,34	4F	2,3,4
15. Pi No. 1	5	0	4F	1,2
16. Komoka	2,3	2,3	2,3	4

64L36	64L39	64L40	64L41	64L47
—	2, 3	1, 2	2, 3	—
4	4	4	4	5
2, 3	(4)	—	4	4?
4	5	5	5	5
0	2, 3	0	2, 3	2
2, 3	2, 3	2, 3	2	2, 3
2, 3	2, 3	2, 3	2	2, 3
4	5	—	5	5
4	4	4	4	4
2, 3	2	0	4	2, 3
2, 3	2, 3	2, 3	2, 3	2, 3
2, 3	2, 3	2, 3	1, 2, 3	2, 3
2, 3	2, 3	4?	1, 2, 3	2, 3
2, 3	2, 3	2, 3	2, 3, 4	2, 3
0	2, 3	2, 3	4	2, 3
2, 3	2, 3	2, 3	4	2, 3
			Var. 5	
			P. 4-5	

Test No. 181 Dec. 5/11/63

	64L10	64L10B	L10C	L10D
1. Zenith	2, 3, 3+	0	0	2
2. Calow	0	4	4F	4F
3. Lac	0	2, 3	2+	2, 3
4. 8970-S	4	4	5	5
5. 5309	0	6	0	0
6. 180641	3F	0	0	0
7. 201902	0	0	0	0
8. 8970-P	0 T~3	4	4	0/4 ?

Dec. 5/12/63

	64L17D	64T11	64L33	64L33A
1. Zenith	6	0	0	0
2. Calow	4	4	4	4
3 Lac	2+	3, 4F	2	2, 3
4. 8970-S	5	5	4	5
5. 5309	0	0	3	0
6. 180641	0	0	3, 4	0
7. 201902	6	0	3, 4	1
8. 8970-P	4	4	4	4

L-10-E	L4L10H	L4L17	L17A	L17B	L17C
0	2	2,3,4	0	0	0
4	2,3	0	4	4	4
2	2-4	2	2-4	2-4	2,3
5	5	5	5	5	5
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
4	5	0	4	4	5

L4L33A	L4L33C	L4L33D	L33E	L33F	L33G
0	0	0	0	0	0
4	4	4	4	4	4
2,4	0	2	2	2-4	2
4	4	4	4	4	4
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	0	0	0
4	4	4	4	4	4

Test No. 182.

	64T1	64T2	64T3	64T4
1. Zenith	0	0	0	0
2. Calow	4	4F	5	5
3. Loc	3	2	3	3 4
4. 8970-3	4	4F	5	5
5. 6309	0	0	0	0
6. 180061	0	0	1, 2	2, 3 ✓
7. 201902	0	0	1, 2	2, 3 ✓
8. 8970-P	4	4F	5	5
9. Rep.	4	1, 2	5	4
10. Loca	0	0	4 ✓	2, 3
11. Tai Chung W	0	0	4 ✓	0
12. Norin 1	4 ✓	0	3	4
13. Norin 17	4 ✓	0	4 ✓	2
14. Norin 21	0	0	2, 3	4
15. Pi No. 1	0	0	4	0
16. Kamroa	4 ✓	2	2, 3	4
17. Tadokan	0	0	0	0
18. Kant. 51	0	0	0	0
19. Aichi asahi	4	4F	4	4
20. Norin 20	4F	0 light F hot	3, 4F	2, 3

64T7	64T9	64T12	64T13	64T14	64T15
0	0	0	0	0	
4	4	5	4	5	
2, 3	4*	2, 3, 4	4	3, 4	
5	5	5	5	5	
0	0	0	0	0	
1, 2	0	1, 2	0	0	
1, 2	0	1, 2	0	0	
5	5	5	5	5	
4	4	4	4	4	
1, 2	2, 3	1, 2, 3	0 ✓	1, 2	
1, 2	0	1, 2, 3 4F	4F	4	
1, 2	4	1, 2, 3	0	4	
1, 2	0	2, 3, 4	0	0	
1, 2	2, 3, 4F	2, 3, 4	4	0	
1, 2	0	1, 2	4 ✓	0	
3, 3	2, 3	2, 3	4	2	
0	0	1, 2	0	0	
0	0	0	4	0	
4	4	4	4	4	
2	4	2, 3, 4	4F	4	

	64T1	64T2	64T3	64T5
21. Leh ang yai 34	0	1, 2	2	2, 3
22. Bir-me. fer	0	0	2	2, 3
23. Tiffli-boo. Co	0	0	2	0
24 Kachsing 64.	0	0	2	0

64T7	64T9	64T12	64T13	64T14	64T15
2	0	2, 3	2	2	
2	0	0, 1, 4	4	0	
2	0	1, 2	0	3	
2	0	0	0	3	

Test No. 182, Cont.

	64717	64718	64A1	64A-2
1. Zenith	1	1,2	0	0
2. Calrow	5	5	4	4
3. Loc	2,3,4F	2,3,4F	1,2,3	2,3,4
4. 8970-S	5	5	4	5
5. 5309	0	0	0	0
6. 180061	1,2	0	0	1,2
7. 201902	0	0	0	2,3
8. 8970-P	5	5	4	5
9. Rafow	4	5	4	5
10. Ucon	2	1,2	0	0
11. Taichang 65	2	4F	0	0
12. Norin 1	4F	4	0	3
13. Norin 17	2 ✓	2 ✓	0	2,3
14. Norin 21	0	4F	2,3,4	2,3
15. Pi No. 1	0	4	0	2,3
16. Kamoe	2,3	2,3	2,3,4F	2,3
17. Tadukan	0	2,3	0	
18. Kanto 51	0	0	0	
19. Aichi Asahi	4	5	4	
20 Norin 20	2,4F	2,4	4F	
			light infect	

64A3
0
5
2,3,4
4
0
0
0
4
4
2
2
2
2?
2?
2?
2?

	64T17	64T18	64A1	64A2
21. Sanmenggai 34	1, 2, 3	2, 3	0	
22. Bei-me-fan	2, 3	2, 3	2	
23. Taipei-Wan. Co	2, 3	2, 3	0	
24. Kaohsing 64	0	2, 3	2	

64R3

Test No. 183

Inoc. 6/1/60

	D-73	64L15	64L17	64L28
1. Zenith	0	0	4F	2,3,4
2. Calora	4	0	0	5
3. Lor	2,3	0	0	2,3,4F
4. 8970-S	5	4	5	5
5. CI5309	0	0	0	4
6. 180061	0	0	4	4
7. 201902	0	0	0	1,2
8. 8970-P	5	0	0?	4
9. Rarora	4	0	4	4
10. Balfour	0	0	4	4
11. Ramie #3	1	0	0	1
12. Lag-Lag	1	0	0	1
J-1. Te-tep.	0	0	0	1,2
J 2. Tachiwa	1	0	0	1
J 3. Kaw	1	0	0	1,2
J 4. Chabato	0	0	0	4
J 5. Yakeito	0	0	0	4
J 6 Kanto 51	1	0	0	4
J 7. Ishi Rai-shiro Re	2,3	0	0	4
J 8. Komae-nishiki	2,3	0	0	1,2
J 9. Briga	2,3,4F	0	0	1,2
J-10. Norin 22	2,3	0	0	1,2,3

Date: 6/3/60. VI

64K12	64K13	64K27	63-L-32	D453	D431
2	1,2	1,2	4F	4	0
4	0	5	0	4	0
1,2	1	2,3,4	6	4	0
4	4	5	4	4	4
4?	0	2,3	0	4	0
2,3	2	1,2	1,2,3	4	0
1,2	1	1	1	0	0
4	2	5	0	4	0/4
2,3	5	5	1,2	4	4F
0	5?	1,2	4	4	0
0	1	1,2	0	0	0
0	1	1	0	0	0
0	1,2	1,2	0	0	0
0	1	1,2	0	0	0
0	1,2	1,2	0	3	0
4	1	1,2	0	4	0
4	0	1	0	4F	0
4	0	1	0	4F	0
3,4	0	4	0	0	0
0	0	4	0	0	0
4	1	4	0	0	0
4F	1	2	0	0	0

	D-773	64405	64417	64428
J-11 Aichi-asahi	4	0	0	4
J-12. Norin 20	4	0	4F	2,3
C-1. Taichung 65	2,3	0	0	2,3
C-2. Taichung 171	2,3	0	0	2,3
C-3 Chiayang 280	2,3	0	0	2,3
C-4. Chiayang 242	4	0	0	2,3
C-5. Kaoyung 1	2,3	0	0	2,3
C-6. Pai-Ken-Tsao	2,3	0	0	2,3
C-7. Taichung-hsien 33	4	0	0	2,3
C-8. Kao-Chia-hsien	2,3	0	2,3	2,3
C-9. Kaohsiung -	2,3	0	2,3	2,3
C-10. Taichung -	2,3	0	0	2,3
C-11. Centagalale	2,3	0	0	2,3
C-12. Nayala	2,3	0	0	2,3
C-13. Kaut-si	2,3	0	0	4
C-14. Norin 21	4	0	0	4
C-15. Sanshow	1,2	0	0	2,3
C-16. Kung-shan	4	0	4	4

6442	6443	6427	6322	0453	0431	
4	4	4	0	4	4F	
4F	2,3,4F	4	0	4	0	
0	0	2, 3	0	4	0	
0	0	4	0	4F	↓	
0	0	4	0	0		
4	0	4	0	0		
0	0	2	0	0		
0	0	2, 3	0	0		
4	0	4	0	0		
4	0	4	0	3		4
4F	4	4	0	0		4
4	0	4	0	0		
4	0	4	0	4		
4F	0	4	0	4F		4
4	0	1	0	0		
4F	0	4	0	3		4
0	0	1	0	0		
4	3,4	4	4F	3	0	4

Test No. 183 Cont.

	63-16	62-F-1	61-4	POS
1. Zenith	0	0	0	
2. Calora	4	4	4F	
3. Koc	4	2,3	2,3	
4. 8970-S	4	4	4	
5. 5309	0	4	0	
6. 180061	0	4F	1,2	
7. 201902	0	0	1,2	
8. 8970-P	4	4	4	
9. Rokon	4F	0	3	
10. Salbase	0	0	0	
11. Nonicel St. 3	0	0	0	
12. KCS-KCS	0	0	0	
J-1 Te-tep	0	0	0	
J-2 Tadukan	0	0	0	
J-3 Tusen	4	4	0	
J-4 Chokoto	0	4F	0	
J-5 Yakeiko	0	4	0	
J-6 Kanto 51	0	4	0	
J-7 Ishikari-shiroke	4	2,3	1,2	
J-8 Honpa-nishiki	0	0	1,2	
J-9 Ginga	0	2	0	
J-10 Norin 22	0	0	0	

	63-L-15	62-F-1	4/24
-11. Aichi-asahi		0	4F
-12. Norin 20		0	4F
-1. Taichung 65		0	0
-2. Taichung 171		0	0
-3. Chianung-yu 280		0	0
-4. Chianung 242	4	0	0
-5. Kwang-fu No. 1		0	0
-6. Pai-kan-tao		0	0
-7. Taichung-line No 33		0	0
-8. Kao-chio-lin-chan	4	0	0
-9. Kaohsiung-	4	0	0
-10. Taichung-	4	2	2F
-11. Cuategulcule		0	3
-12. Natala	4	0	0
-13. Kanto 51		0	0
-14. Nung-lin 21	4F	0	0
-15. Sensho		0	0
-16. Kung-shan-wan	4	0	3

0-59
P01
P423
IVO

Test 184

	64L-1	64L3	64L10	64L11
1. Zenith	0	0	0	0
2. Caloro	4	4	0	4
3. Lacrosse	4	3	0	4
4. CI 8970-S	5	4	4	4
5. CI 5309	0	0	0	0
6. PI 180061	0	3	0	0
7. PI 201902	0	2	0	0
8. CI 8970-S	5	4	0	4
9. Rexoro	4	4	4F	4
10. Tuscan	0	0	0	0
11. Taichung 65	4	0	0	4F
12. Norin 1	4	0	0	0
13. Norin 17	4F	0	0	3
14. Norin 21	4	0	0	4F
15. Fi No. 1	0	3	0	0
16. Kamrose	2,3,4	2,3,4	0	2,3
17. Tadukan	0		0	0
18. Kanto 51	0		0	0
19. Aichi-asahi	4		0	4
20. Norin 20	4		0	3
21. Lemang-yai 34	0		0	0
22. Bir-me-fan	0		0	6

64L4	64L19	64L20	64L21	64L22	64L23
1,2	0	0	0	0	0
4	4	4	4	4F	4
4	3 4 1	0	3, 4	0	2, 3
4	5	4	5	4F	5
0	0	0	0	0	0
1, 2	0	0	0	0	1, 2
0	0	0	0	0	0
4	4	4	4	4F	5
4	5	2, 3	0	4F	4
0	0	0	2, 3	2	0
4	4	4F	0	4F	0
4F	4	0	0	4F	0
4F	4	4F	0	0	0
0	4	4F	4F	0	4 1, 2
0	0	0	0	0	0
4	4	0	0	2	1
0	0	0	0	0	0
0	0	0	0	0	0
4	4	4	4 F	4F	4
4	4	0	4 F	2	2
0	0	0	0	0	0
0	0	0	0	0	0

Test 184, Cont'd.

	64L1.	64L3	64L10	64L11
23. Taipei-woo-co	0		0	0
24. Kaohsung 64	4		0	2

64L14	64L19	64L20	64L21	64L22	64L23
0	0	0	4F	0	0
4F	4F	4	4F	0	0
				light rifat.	

Test 184, Cont'd

	64L20	64L26	64L27	64L32
1. Zenith	0	0	0	1
2. Caloro	0	4	4	4
3. Lacrosse	0	0	2	4
4. CI 8970-S	4?	4	4	5
5. CI 5390	6	0	0	0
6. PI 180061	0	0	0	1, 2
7. PI 201902	0	0	0	1, 2
8. CI 8970-P	0	4	4	5
9. Reoro	0	4	4	4
10. Usen	0	0	0	2, 3F
11. Taichung 65	0	4F	4	1, 4
12. Norin 1	0	4F	4F	3, 4F
13. Norin 17	0	0	0	4F
14. Norin 21	0	4F	4	4
15. Pi No. 1	0	0	0	0
16. Kamrose	0	0	2	2, 3
17. Tadukan		0	0	0
18. Kanto 51		0	0	0
19. Aichi-asahi		4	4	4
20. Norin 20			4	0
21. Lenang-yai 34			0	0
22. Bir-me-jen			0	0

		39		41		
64L34	64L36	64L37	64L40	64L41	1K33	L4
4	1	1,4	0	0	0	0
4	4	4	4F	4	4F	4
4	3,4	4	4	4	4F	4
4	4	5	4	5	4	5
4	0	0	0	0	4F	0
4	0	2,3	0	0	0	4
0	0	2,3	0	0	0	2
4	4	4	4	4	4	4
4	4	4	4	4	3,3	4
2	0	0	0	4F	0	1
3	3F	3F	4F	0	0	4F
0	2	4F	4F	0	4F	4
0	3F	4F	0	0	4F	4
4	4	4	0	0	4F	4F
0	0	0	0	0	0	0
3	2,3	2,3,4	0	0	0	1,2
0	0	0	0	0	0	0
4F	0	0	0	0	4F	0
4	4	4	4	4	4	4
0	4F	4F	4F	0	4	4
0	0	0	0	0	1	0
0	0	0	0	0	0	4F

	64L25	64L26	64L27	64L32
23. Taipei-woo-co			0	0
24. Kaohsung 64			4F	0

		39		41		
64L34	64L36	64L39	64L40	64L41	64L33	
0	0	0	0	0	0	0
4F	0	4F	0	0	0	0

Test 184, Cont. V

	Tapa 6	P-8	P-73	P-84
1. Zenith	1,2	0	0	0
2. Calrow	5	4F	4	4
3. Lacrosse	4	4F	4	0
4. 8970-S	5	4	4	0
5. 5309	0	4F	0	0
6. 180061	0	0	0	0
7. 201902	0	0	0	0
8. 8970-P	4	4	4	0
9. Rejoice	4	0	4	0
10. Wasa	0	4	0	0
11. Taichung 65	Tr 4	0	4	4F
12. Norin 1	4F	0	4	0
13. Norin 17	4	0	4	0
14. Norin 21	4F	4F	4	0
15. Pi No 1	2	0	4F	0
16. Kamone	2,3	0	2,3	0
17. Takara	0	0	0	0
18. Kanto 51	0	4F	0	0
19. Ichiasahi	4	4F	4	0
20. Norin 20	4	4F	4	4F

A02	0453	62F1	5943	64T9	64[illegible]4
0	4	0	4F	0	0
4h	4	4F	0	4F	4
0 ✓	4	0	0	0	4
0	4	4F	4	4	4
0	4	0	0	0	0
0	4	0	0	0	0
0	0	0	0	0	0
0	5	4F	0	0?	4
0	4	0	0		4
0	4	0 ✓	0		0
4h	4	0	0		0
4	4	0	0		3/-
0	4	0	0		4
0	4	0	0		0
0	4	0	0		0
0	4	0	0		2, 3
0	0 ✓	0	0		0
0	0	0	0		0
4	4F	0	0?		4
4	4	0	0		4F
		v. light	light		
		right			

	Fig. 6	P08	D-73	P64
21. Leung Jai 34	1	0	0	0
22 Bei me fan	0	0	0	0
23 Pi fei-hi: ch.	0	0	0	0
24. Hoo hang 64	0	4	4	4

Po2	D453	G2F1	59L13	G4T9	G4A4
0	0?	0	0		0
0	0?	0	0		0
0	0?	0	0		0
4	4?	0	0		0

Test No. 184.

	64 A11	64 A5
1. Zenith	0	0
2. Calrose	4	4
3. Kcc.	0	4
4. 8970. S	4	4
5. 5369	0	0
6. 180061	0	0
7. 201902	0	0
8. 8970. P	4	4
9. Reform		4
10. Mars		0
11. Tai Chung 65		0
12. Norin 1		0
13. Norin 17		4F
14. Norin 21		0
15. Pi No. 1		0
16. Kamrose		0
17. Tadukan		0
18. Kanto 51		0
19. Aichi. Asahi		4
20. Norin 20		4

		64A5		
21. Kwang-yai 34		0		
22. Bei-ma-fa		0		
23. Thipei-wu-lo		0		
24. Kaohsiung 64		0		

Test No. 185. C.I. 9534 vaccinia

7/19/65

	Zenith	Calow	9534	5309
1. 64T3	0	4	0	0
2. 64L33	0	4F	0	0
3. 64L34	4	4F	1-2	4
4. 62F1	0	3	0	4F
5. 44A2	0	5	0	0
6. 64T5	0	4	0	0
7. 59L13	4	0	0	0
8. 902+P04	0	2,3?	0	0
9. P05+P0431	0	0	0	0
10. 64T13	0	4	1,2	0
11. 64T17	0	4	1,-	0
12. 64L41	0	4	0	0
13. D73	0	4	0	0
14. 64T9	0	4	1,2	0
15. 64L3	0	4?	0	0
16. 64L27	0	4	0	0
17. D453	4	4	1	0?
18. 63L13	0	0?	6	0
19. P08	1	1	1	1
20. 64L13	0	0	0	0

Test No. 1186. Inc. 8/24/65.

	62-1	58	453	10-23
1. Take Ron	0	0	0	0
2. Z smith	0	0	4	0
3. NP-125	0,	0	0	0
4. Lion	4F	4F	2✓	0
5. Dulan	4F	4F	0✓	0
6. CI 5309	4F	4	4	0
7. Kontos 1	4F	4F?	4	0
8. CI 8970.5	4	4	4	4
9. Aichi Aachi	4?	4	4	4?
10. Calora	4	4	4	4
11. Nova 20	4	–	4	4
12 Ran. St 3.	0	0	0	0
12. CI 9534	0?	0	1, 2	0 +4
14. "				
15. "				
16. "				

5R3	64A2	64A9	64L2	64L3	64L13
0	0	0	0	0	0
4	0	0	0	0	4
0	0	0	0	0	0
0	0	0	4	0	0
4F	0	4F	0	0	4
0	0	4F	0	0	0
0	0	0	0	0	0
4	4	4	4	4	4
0	4F	0	4	4	4
0	4	4F	4	4	0
4	4F	4F	4	4	4
0	0	0	0	0	0
0	0	0	0	0	0

27 41

	64417	64434	64437	64439
1. 1. Tadu Ran	0	0	0	0
2. 2. Zenith	0	4	0	2,3?
3. 3. NP-125	0	0	0	0
4. 4. Zeon	0	0	4	4
5. 5. Dulan	3	4	0	0
6. 6. CI 5309	0/4 Isol.	4	0	0
7. 7. Kanto 51	0	4	0	0
8. 8. CI 8930-3	4	4	4	5
9. 9. Aichi Asahi	0	4	4	4
10 10 Calore	0	4	4	5
11. 11. Norin 20	4	4	4	4
12. 12. Ren. St. 3	0	0	0	0
13. 13. CI 9534	0	1,2,3	0	0
14 14 "				
15. 15 "				
16. 16. "				

C4T3	C4T5	C4T9	C4T17	C5T4	C5T6
0	0	0	0	0	0
0	0	0	0	4	0
0	0	0	0	0	0
0	0	0	0	0	4
0	4F	0	0	1, 2	0
0	0	0	0	0	0
0	0	0	0	0	0
4	4	4	4	4	4
4	4	4	4	0	4
5	4	4	4	0	4
4	4	4	4	4F	4
0	0	0	0	0	0
0	0	0	0	0	0

Test #187 germ. 9/22/65. 5

	65T2	65T3	65T4	65T4
1. Toduron	0	0	0	0
2. Zenith	0	1, 2	4	0
3. NP-125	0	1, 2	0	1, 2
4. Saturn	0	1, 2	0	0
5. Dulan	0	1, 2	4	4
6. CI 5309	0	0	0	0
7. Kanto 51	0	0	0	0
8. CI 8570-S	5	5	4	5
9. Aichi Asahi	4	4	3	4
10. Calora	4	4	4F	5
11. Norin 20	4F	4	4	4
12. Remind St. 3	0	1, 2	1, 2	0
13. CI 9534	0	0	0	0
14. Saturn	0	0	0	0
15. Nova	0	0	0	0
16. CI 8970-P	5	5	1, 2	5

GST 8	GST 9	GST 11	GST 12	GST 1	GST 3
0	0	0	0	1	0
0	0	0	0	1, 2, 3, 4	0
1, 2	1, 2	0	0	1, 2, 3, 4	1, 2
0	0	0	0	0	0
0	1, 2	1, 2	0	1, 2, 3	1, 2
0	0	0	0	4	0
0	0	0	0	4	0
5	5	5	4	5	4
4	4	4	0	4	4
4	4	5	4	4	4
4	4	4	0	4	4
0	0	1, 2	0	1, 2	0
0	0	0	0	1, 2, 3	0
0	0	0	1	1, 2, 3	0
0	0	1, 2	0	1, 2, 3	0
5	4	5	4 light infect.	5	4

	64T5	64T9	64L13	64L27
1. Tokuron	0	0	0	0
2. Zenith	0	0	4	1
3. NP-125	1, 2	1, 2	0	1
4. Kaen	0	0	0	1
5. Dulan	1, 2, 3	1, 2	4	1
6. CI 5309	0	0	0	0
7. Kanto 51	0	0	0	0
8. CI 8970-5	5	5	5	5
9. Aichi asahi	4	4	0	4
10. Calora	4	4	0	4
11. Norin 20	4	4	4F	3-4
12. Ramiel St. 3	0	1, 2	0	0
13. CI 9534	0	0	0	0
14. Saturn	0	0	0	1
15. Nova	0	3	0	1
16. CI 8970-5	5	5	0	5

Dr/24 R.
R6a 1

64<34	64<41	10-73	10-453	59<13	Ra.429
0	0	0	0	0	1
Tr 4	0	0	4F	4	4?
0	0	0	0	0	0
0	4?	0	4F	0	0
tr 4	0	0	4F	4	4
tr 4	0	0	4F	0	0
2	0	0	4F	0	0
4	4	5	4	4	5
4	4	4	0	0	4
4	4	4	4F	0	0
4F	4?	4	4F	4F	4?
0	0	0	0	0	0
0	0	0	0	0	0
4F	4?	0	0?	0	1
1,2,3,4	4?	3	4F	0	0
5	5	5	4	0	0

Test No. 188

Mo. R-500 x N 9% Selections

			Race 6
1.			3
2.			3
3.			3
4.			2
5.			2
6.			3
7.			3
8.			2
9.			3
10.			1
11.			-
12.			2
13.			4
14.			5
15.			1
16.			4
17.			3
18.			4
19.			3
20			-

	Row 6
21.	3
22.	3
23.	2
24	1
25	2
26	3
27.	3
28	3
29.	1
30.	1
31.	3
32.	3

Test No. 189

Belle Patma x C.I. 9534

F_2 Plant #	Pod 1	Pod 2	
1.	R	0	
2.	R+S	0|3	
3.	R+S	0|3	
4.	R+S	0|2	
5.	R	0	
6.	R+S	0|3	
7.	R+S	0|3	
8.	R+S	0|2	
9.	S 2 Pl.	0 S. 1 Pl.	C.I. 9534
10.	R+S	0|3	
11.	R	0	
12.	R+S	0	C.I. 9534
13.	R+S	0|3	
14.	R+S	0|4	
15.	R+S	0|3	
16.	R+S	0+3	
17	R+S	0+3	
18.	R+S	0+3	
19.	R+S	0|3	
20	R+S	0+3	

	Rack 1	Rack 6
21.	R+S	0 3
22.	R+S	0 3
23.	R+S	0
24	R	2 spl. 0
25	R	0
26	R+S	0 3
27	R+S	0 3
28	R	0 3
29	R	0
30	R+S	0
31	R+S	0
32	R+S	0 3
33	R	0
34	R+S	0 3
35	R+S	0 3
36	R+S	0 3
37	R+S	0+4
38	R+S	0+3
39	R+S	0+3
40	R	0+3

	Rac 1	Rac 6
41.	R+S	O+3
42.	R+S	O+2
43.	R+S	O+3
44.	R	O+1
45.	R+S	O+2
46	R+S	O+3
47	R	O+1
48	R+S	O+3
49	R	O
50	R	O
51	R+S	O+3
52	R+S	O+3
53	R	O
54	R+S	1 s. pl O
55	R+S	O+3
56	R+S	O+3
57	R+S	O+3
58	R	O+2
59	R+S	O+3
60	R+S	O+3
61.		

Test 190

	Rep 1	Rep 6
1. C.I. 8970-S	5	5
2. CI. 8970-P	0/5	5
3. CI7787. Zenith	5	10
4. CI1561-1. Calaro	0	5
5. CI8985. Lacrosse	0	3
6. CI5309.	0	0
7. CI180061. Stular	4	3
8. CI201902. NP125, India	0	1
9. CI8993. Cent. Patna 231	4	3
10. CI8990. Bbt. 50	4	3
11. CI9416. Sulfrose	5	10
12. CI9540. Saturn	0	2
13. CI9459. Nova	0	3
14. CI 9407. Northrose	0	5
15. CI 9433. Belle Patna	4	4
16. CI 9544. Blue Belle	4	4
17. RRV off-cross	4	3
18. Rx-Zen. x Rx-Red	4	2
19. CI 9596 (Cent. x Rx-Zen) x Bbt. 50	5	3
20. 61B1 98 x 13d	1	4
21. Ef Rx Mu x Rx-Lac	4	2
22. CI-245717. No 721, Taiwan	4	0

	Rep. 1	Rep. 6
23. CI 289756. Cantuna, Phil.	4	1
24. CI 289758. Lac x Caawa/Fort., Phil.	4	1
25. CI 289760. Milburn #9, Phil.	4	1
26. CI 260659. " #3, Phil.	4	1
27. CI 9551. (duf TP x Lanc) x BBT. 50	4	3
28. CI 275451. H-4, Ceylon	3	0
29. CI 9594. Rex-Zen x 250-Mag.	5	2
30. Rex-Zen x 250 Mag.	0	2
31. Rex-Zen #8 x Lac.	0	0
32. CI 9593. Rex-Zen #8 x Lac.	0	2
33. Nato x 250-Mag.	0	4
34. SS Nato x (Rex-Zen x 250 Mag)	5	2
35. 9494. Lac. x Cal./20	0	5
36. 9587. Lac x Cal./3	5	2
37. Northrose x Dulfrose	5	2
38. Northrose-Nato x Dulfrose	0	3
39. Ark.-BBT 50 x Northrose	0 15 Pl.	4
40. Northrose x Zen.	0	3
41. "	1	3
42. CP 231 x Zen.	5	3
43. Lac-S426A x Zen.	0	4
44. 9579. "	5	2

	Race 1	Race 6
45. Lac-S426A x Zen.	1	0
46. 9454. Lac x Zen-Nira	0	2+
47. 9481. Lac x Zen-Nira	0	3+
48. Nato Rogue (Dold)	4	2
49. "	4	3
50. Nova x Nato	0	3
51. Nova x Bulfrosee	0	2
52. "	5	2
53. Nova x Arkrosee	0	3
54. "	0	3
55. 9592. CI 9509 x Ark.	0	3
56. Nova x CI 9198	5	5
57. CI 9209 Sel x CI 9198	5	2+
58. CI 9209 Sel.-Imp Bbt x PI 215936	4	3
59. CI 9209 Sel. x CI 9187	4	3
60. "	4	3
61. CI 9209 Sel. x CI 9187/2	5	3
62. CI 9209 Sel.-CI 9187 x Bbt. 50 - Ref.	5	2
63. CI 9453 x CI 9187	0	4
64. "	0	3
65. "	0	4

	Race 1	Race 6
6. CI 9453 x CI 9187	0	4
7. "	0	1
8. "	5	0
9. "	0	0
10. "	0	0
11. "	5	0
12. CI 9453-CI 9187 x Bbt. 50	0	0
13. "	0	0
14. "	5	1 apl 03
15. CI 9453 x Bbt. 50	0	043
16. "	1 apl 5	1 apl 5
17. "	0	4
18. "	5	3
19. "	0	3
20. Bbt. x PI 184675	0	3
21. "	5	2
22. Bbt./2 x PI 184675	3	0
23. Bbt. x PI 184675 (outcross?)	3 4	0
24. "	5	0
25. 9584. CP 231 x Bbt.	5	0
26. 9534. CP 231 x H012	5	03
27. CP 231 x DIMA	0	0
	5	0

	Race 1	Race 6
8. PI 215936 x Lac	4	0
9. "	5	1a. pl. 3
0. "	4	0
1. "	0	4
2. Bulfroze x PI 215936	5	0 1
3. "	5	0 1
4. "	5	0
5. PI 215936 x CI 9402	5	1a.pl. 0 4
6. PI 215936 x CI 9214	5	4
7. "	5	4
8. "	5	4
9. "	5	4
00. "	5	3
01. "	5	3
02. "	5	4
03. "	5	3
04. $(CP\ 231/3 \times Blt)_2 \times$ PI 215934	5 2	3
05. CI 9214 x CI 9383	5	3
06. "	5	3
107. PI 215936 x CI 9214	5	3
108. CI 9214 x (CP 231 x CI 9122)	5	2

	Race 1	Race 6
109. CI 9214 x (CP 231 x CI 9122	5	3
110. B.P. x [(CP 231/3 x B&T.)$_2$ x P.I. 215936	5	3
111. "	5	3
112. "	5	3
113. B&T. 50/4 x Sulfrose	5	3
114. "	5	2
115. CP 231/3 x H012	0	0
116. B&T. 50 x H012	0	0
117. "	0	0
118. B&T. 50 x H0341	5	4
119. CP 231 x H0341	5	4
120. B&T. 50 x H0341	5	4

Test 191 4/7/64

	GST-2	GST3	GST4	GST5
1 Ramical St. 3		0	0	0
2. Zenith		0	4	0
3. NP-120		0	0	0
4. Usen		0	0	0
5 Dulan		0	0 ✓	0
6 Kanto 51		0	0	0
7 8970-5	4	4	4 ✓	4
8. Calon	4	4	0	4

	GST15	GST17	GST19	GST?
1. Ramical St. 3.	6	0	0	
2. Zenith	0	0	0	
3. NP-125	0	4	0	
4. Usen	0	0	0	
5. Dulan	0	4	0	
6 Kanto 51	0	0	0	
7. CF 8970-5	4	2-3	4	4
8. Calon	4	2-3	2-3	4

Relatively poor plant and poor injection

GS T8	GS T9	GS T10	GS T11	GS T12	GS T14
0			0	0	
0			0	0	
0			0	0	
0			0	0	
0			0	0	
0			0	0	
0	4	4	2-3	4	4
0	4	4	2-3	4	4

GS T24	GS T30	GS T31	GS L1	GS L3	GS L7
1	0	0			
0	0	0	4		
4	0	0			
0	0	0			
4	0	0			
0	0	0			
4	4	0	4	4	4
4	4	0		4	

1/18/64

	GSL 18	GSL 19	GSL 22	GSL 27
1. Bonnie 45's				
2 Zenith				
3. NP-125				
4. Esso				
5. Dalca				
6. Hanto 8)				
7. 8970-S	4	4	4	4
8. Calso	4	4?	4	4

64<34

Trial 2/7/66
Tent 2/14/66 Tent 192

	65T2	65T3	65T4	65T5
1. CE 9534	0	0		0
2. Zenith	0	0	2,3,4	0
3. NP-125	0	0	0	0
4. Ussr	0	0	2, 3	2, 3, 4F
5. Dalan	0	0	2, 3V 4F	0
6. Kantosi	0	0	0	0
7. CE 8970-S	5	5	5	5
8. Calor	5	4	0?	5

	65T19	T-20	T-21	T-24
1. CE 9534	0	1-2	0	1
2. Zenith	0	1	0	0
3. NP-125	0	1	1,2V	2,3,4F
4. Ussr	1,2,3	0	0	0
5. Dalan	1,2	1	1,2V	4
6. Kantosi	0	1	0	0
7. CE 8970-S	5	5	5	5
8. Calor	5	5	5	5

GST8	GST9	GST10	GSTL2	GSTL4	T-17
0	0	0	1	0	0
0	0	0	1	0	0
0	0	0	0	2, 3 4F	2, 3
0	0	0	1-2	1, 2	0
1, 2	1, 2 3	0	0	3, 4	4
0	0	0	0	0	2, 3
5	5	5	5	5	5
5	[5]	5	5	5	5

Test 192 Cont.
Smk. 3/14/63

	6ST11	6ST15	6ST19	6ST20
1. R.I 9534	0	0	0	0
2. Zenith	0	0	0	0
3. NP 125	0	0	0	0
4. Usen	1, 2	0	0	0
5. Dulan	0	0	0	0
6. Kanto 51	0	0	0	0
7. CI 8970-S	5	0?	4	4
8. Calon	5	0?	4	4

	6SL7	6SL18	6SL19	6SL22
1. CI 9534	0	0	0	0
2. Zenith	0	0	0	0
3. NP-125	0	0	0	0
4. Usen	0	0	0	4
5. Dulan	0	0	0	0
6 Kanto 51	0	0	0	0
7. CI 8970-S	4	4	4	4
8. Calon	4	4	4	4

GST29	GST30	GST31	GST-32	GS-L-1	GS L3
0	0	0	0	0	0
0	0	0	1	0?	0
4	0	0	0	0	0
f=3	0	0	0	0	0
4	0	0	1	0	0
0	0	0	1	0	0
5	4	4	5	4F	4
5	4	4	5	0	4

GSL27	GSA 7	GSA6	GSA11	GSA14	GSA18
0	0	0	0	0	0
0	0	0	0	0	0
0	0	3F	0	0	0
0	0	3F	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
5	5	5	5	5	4
5	5	5	5	5	4

Test 193.

	65A2	A4	A9	A15
1.	0	0	0	0
2. Zenith	0	0	0	0
3. NP-125	2, 3	0	2	2, 3
4. Usen	0	0	0	0
5. Dulan	3, 3	2	2	0
6. Kanto 51	0	0	0	0
7. CI 8970	5	5	5	5
8. Calow	5	5	5	5
		64717		
June 3/23/64	64<2 3/30	64<17	64<21	64<34
1. CI 9534	0			0
2. Zenith	0			4
3. NP-125	0			0
4. Usen	4	4	4	2, 3
5. Dulan	0			4
6. Kanto 51	0			4
7. CI 8970-3	4	4	4	4
8. Calow	4	4	4	4
	KS6	5A	6	7

A16	A17	A13
0	—	0
0	0	0
3, 3+	0	2, 3
2	0	0
0	2	—
0	0	0
5	5	5
5	5	5

64L41	62F1
	0
	0
	0
	4
	3, 4
	4
	4
	4
6	19

Test 193-A

	65A2	65A4	65A6	65A7	65
1. CI 9534	0	0	0	0	0
2. Zenith	0	0	0	1	0
3. NP125	0	2, 3	0	2, 3F	0
4. Acer	2	2	2	2	0
5. Dalea	1, 2	2	2	2	0
6. Kantosi	0	0	0	0	0
7. CI 8970-S	5	5	5	5	5
8. Calora	5	5	5	5	4

	65A13	65T4	65T5	65T14	65
1. CI 9534	0	0	0	0	0
2. Zenith	0	4	0	0	0
3. NP-125	0	0	0	1, 3	2, 3
4. Acer	2	1, 2	0	0	1, 2
5. Dalea	0	2, 3	0	4F	4
6. Kantosi	0	0	0		1, 4
7. CI 8970-S	5	5	4F	5	5
8. Calora	5	0	4F	4	4

A9	GSA11	GSA14	GSA17	GSA16	GSA17	GSA18
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	2
	0	0	2,3F	2	2	2
	0	0	0	0	0	0
	0	0	0	0	0	0
	5	5	5	5	5	5
	5	4	4	5	5	5

T1	GST21	GST24	GST32	G4L41
	0	0	0	
	0	0	0	
	0	3,3	2,3	
	0	0	1,2	4F
	0	4	1,2	
	0	0	0	
	5	5	5	4
	4	0	5	4F

34

1963 Nua. Notes

7530-274-5494
FEDERAL SUPPLY SERVICE
(GPO)

TRIA budget - Discuss with Hank !!!!

When acted on?
Who works up?

Start out F_1 plants when?

Inventory -

Areas of responsibility -

Foundation seed program -

Responsibility ends at breeder seed stage.
Advise the program beyond this stage. Suggest any needed changes.

20 x 20 seed storage room -

For storing lots of seed rice.

Hoja Blanca Resistant Backcrosses

① Make 2 more backcrosses -
Have Sammy check following each backcross.

② Make composite of BC_4 generation material that is relatively uniform.
a. Sammy will check to see if breeding time for hoja blanca.

b. Have Atkins check host reaction.

③ Sammy presently checking 10 BC_4 generation families.

a. 400-500 families being selected by Scott from these families for increase in 1964.

b. Bulk remainder of each family.

Gluttinous Cody

Dixie Selections

Select some of largest long-grain types.

Dixie x Century

World Collection

Dwarf Types

C.I.9544

Plot 781 - Lee x P.I. 215936 - looks like a heavy yielding type

Observation in Variety-Fertilizer Test 9/10/63

1111 - P.I. 215936 x C.I. 9214 -

Relatively heavy amount of typical rot-wick; much sterility; grain type l-wgt; very questionable;

1112 - Hyb Mix x Red CP 231 -

Tall, weak, red bran; totally undesirable; why included in test?

1116 - Rather tall; strength questionable; panicles appear rather light, with some sterility; yield ability questionable; all pubescent; grain shape lgt and nice but perhaps too fine.

1121 - Probably good lodging resistance and grain yield; rot-wick?; grain shape rather small and nutritious; sterility?

1122 - P.I. 215936 x [CP 231 x (Hill sel. x Blk)] - Probably weak straw; segregating for pubescence and grain shape.

1123 - Same cross as 1122; ~~rather tall~~; grain shape quite variable; ~~sterility~~?; yield questionable;

1124 - Same cross as above; tall; segregating for grain shape and pubescence; sterility;

1125 - Same cross; ~~shorter~~; higher yielding?; sterility;

1126 - Short and sturdy; excellent plant type?; much sterility or blight; panicles rather small; grain shape highly variable, ranging from short to long; select for better types in 1964?

1131 - $(CP\ 231^3 \times Bbt)^2 \times P.I.\ 215936$ - Very interesting plant type!!! Upright, sturdy, short, short leaves erect; grain-shape variable and unattractive; a Bbt lgt on a plant type like this might be the variety type needed too short to be higher yielding??

1133 - Looks productive ; pubescent !

1134 - moderate to tall but probably very resistant to lodging ; lower Dilleni ? ; very-compact club shape panicle ; hairy wgt.

1135 - Blt.50 x P.I. 215936 -

Generally nice lgt but hairy ; plant type somewhat tall but upright and sturdy.

1136 - Gulfgrain x P.I. 215936 -

Very green at maturity ; moderate to short ht. ; too leafy ?

1142 - P.I. 215936 x C.I. 9214 - moderate to tall but most upright, sturdy, green plant at maturity ; grain variable but some excellent lgts ; includes some pubescent types ; strong bold color ;

1145 - P.I. 215936 x C.I. 9214 -

rogt ; neat, upright, sturdy green plant ; dense panicles ; less stability ; less rot - weak or none ? ; some pubescent plants.

1146 - Probably high yielding ability ; rather tall and possibly weaker ; set on next panicle with less stability.

1149.- Tall and weak ; Pslet 50 x Dina ;

1153 - Poor panicles ; much stability ;

Review of Breeding Material

Conference with Adair, Beachell, Webb, + Atkins

H.O. material - most have been eliminated; some have very good blast resistance; many are in cold storage under breeding nursery numbers; very good parent material; good source of H.O. resistance; quality generally Blst or better.

B5617A - Ref^2 x P.I. 183381 - Selected midseason & medium-late lots; some needle tips; might partial better than Ref; some very short-stemmed; conduct further quality evaluations; dark-green leaf; erect growth

Cont. x Dawn
Blst x Dawn
572A
573A

} Sources of dark green color and erect leaf habit;

Pay more attention to vegetative growth in field notes.

B512A P.I. 215936 X C.I. 9214 -

B513A " C.I. 9402 - giving high yielding types; perhaps best ince;

B572A-3-47 - Many good selections from this;
(P.I. 215936 x C.I. 9214) good H.B. resistance; low iodine values; select for plant type. Blst. replacement probably could come from this!

B571IA ($CP\ 231_3$ x Blt) x P.I. 215936
581A

B579 Blt x Bulfoxe - one-backcross lines; contains
B589 " " - excellent Blt types and shorter seasoned ones; probably none will make a variety for any length of time; don't release any until we are certain it doesn't have Bulfoxe susceptibility to Blst.

Blt^4 x Gulfrose – mutant Art has been testing for HB resistance; eliminated straight-head; eliminating high-glutaraldehyde & iodine; will make 2 more backcrosses; composite some of 4th backcross to make variety; grain size still variable; grow head-rows and select only typical Blt grain size. Include a number of these lines in international blast nursery in addition to a composite. Put composite in Uniform yield nursery in 1964; maintain identity of each family in head-rows. Send lines to Colombia again in HB nursery. For nursery ~~and~~ for blast & HB use composites of each family, not seed from the selected panicle.

Have enough panicles ~~from~~ selected for about 400-500 head-rows next year. Select 75 to 100 of the best rows in 1964 to composite a variety; run quality before compositing. Use the composite rows in breeder seed increase block. Produce foundation seed in 1966, if everything works out okay.

There is still a need for a midseason variety; some farmers still want these. It could be harvested after the 100 day varieties. B72A-47 cross probably offers best possibilities for this type variety.

9214 (CP. 231 × 9122) - Source of 9544

100-day varieties - need HB resistance in these - some crosses in 1963 offer possibilities for HB resistant 100-day varieties.

Medium - Grain

5813 A - P.I. 215936 x Lacrosse HB resistant
5816 A - Sulfore x B504A?
5817 A - Sulfore x Lac
5818 A - Sulfore x P.I. 215936 HB resistant

Most of the above, or all, are resistant to HB. Outstanding high-yielding types in the above crosses. Many of as early as Sulfore and would be suitable for 2 crops. Blast questionable.

Panicle selections were made.

What quality determination are needed here?

Webb feels we need a bolder grain!!

Scott made cross on to Mex R-500 x Nato in blast nursery. This may be very valuable because of blast and HB.

Start F$_2$ seed from 1963 crosses within next 10 days. These are grown in greenhouse Or else wait until next spring, grow F$_1$ in field in 1964; select best combination and send to Mexico. The latter course will probably be most desirable.

Additional Crosses

Blt 50 x Jojutla -

CP231 x Jojutla -

One entry looks especially good; none look very satisfactory for a variety. Some Blt - Jojutla of Blt maturity have been backcrossed to Blt; look very much like Blt; B5841-16-5-BK; Also plots 5911 to 5916 in nursery contain this material. Check quality. Some of these have been backcrossed to Blt this year. Also have F_3 bulk hybrid population this year (in block 28W). also 1 F_2 population. Select out best types and continue in bulk populations; might select a few ears of very best types and follow pedigree method; grows 100 to 200 rows.

Main concern here is high quality for parboiling and canning. Therefore, a variety may not have to be especially good for all other factors. It would probably draw a premium price.

Many selections being made in nursery this season. Most are relatively advanced. Be critical about what to include in 1964 nursery (pedigree nursery).

Wont be much new material coming into breeding nursery in 1964.

Grow some of bitter dwarfs; emphasize narrower leaves and taller types.

Straightheaded Nursery

Need a nursery to evaluate material from single plot nursery, variety-fertilizer test, (probably 1000 rows or so).

Hoja Blanca Nursery

Bischoff completed table of material from HB nursery through 1963 season. Included only resistant material.

Wispy Program

30 acres wispy Zenith – will be dried, milled, and sent to Coors – Scott has 100 lbs, or so of base seed set aside –

About 150-200 lbs. of Cody type will be available; about 400-500 families have been selected for 1964 head rows; The bulk seed might be used for an increase. Test for host! for a longer seeding in 1965 if Coors can grow a wispy without average control.

Have a pure seed block of Mochi Dorm this year. Bulk for base seed.

Have a bunch of wispy colores. Could be bulked for Coors to test; if they are interested (California 18?). Some crosses with smooth wispy were made! Public Relations wise, it

would be best to send the seed to Colorado State University.

Many calves ~~short~~ about 5309 through 5390 in 1963 Book 4. Anything noted on good Calvo type could all be bulked.

Families were saved for future breeding purpose and bows were bulked for possible quality evaluations.

Don't bulk the various Cody-type crops; they vary between families.

Uniform Yield Nursery and Eptras -

Four-row plots - 4 reps.

Select 125 or so panicles from 1 row of 1 plot; in this plot, harvest one guard row for yield (don't harvest the row in which the panicles were harvested because it would give a reduced yield figure).

Hanks crew does all of the milling (test-tube and uniform nursery).

Date of Seeding Test in 1963 which included 10 100-day varieties at 2 N rates (80 and 160 lbs./N) — seeding dates; possibly run another year. Obtained stability counts, no. panicles, seedling counts on certain planting dates.

Variety - Fertilizer test -

60 and 120 lbs. N rates

Row spacing -

Continue -

40, 80, 120 lbs. seed / acre

80 and 160 lbs. test.

3 varieties - Blt, C.I. 9444, C.I. 9545.

H.B.
For 1964 nursery send only very best material; possibly grow in duplicate nurseries. Possibly include some selections brought over from Crowley.

Blast is probably more important in early rice than in later rice (especially in 100-day rices).

Mexico Program

Use Vera Cruz nursery for rapid progress - Emphasize (1) quality

(2) blast

Send material from 1963 best crosses.

Need only to go down to make selection for re-planting.

Ospino is in charge of rice program.

Schedule of Work

Clean seed after the field harvesting and threshing is completed. Threshing is done through the season.

Pound in inner-tube before cleaning.

Self-cleaning aspirator removes all chaff. This is all of the cleaning required.

Then milling is done. All is milled for visual checks.

Then quality evaluations. Two years of iodine and alkali should be sufficient.

Usually start breeding nursery first; however, U.N. is run conveniently.

Date of Seeding -
milling

Rate of Seeding -
milling might be altered if time permits.